



Database:

Equipment:

Area:

Point: P1 - DRIVE END OIL

Ref Oil	No Reference Oil				
Sample Date	05/12/2018	02/08/2018	08/07/2018	04/05/2018	06/02/2018
Sample #	2027316	2006608	2001305	1992724	1978742
Unit Usage - hrs					
Oil Usage - hrs					
Oil Added - gus					



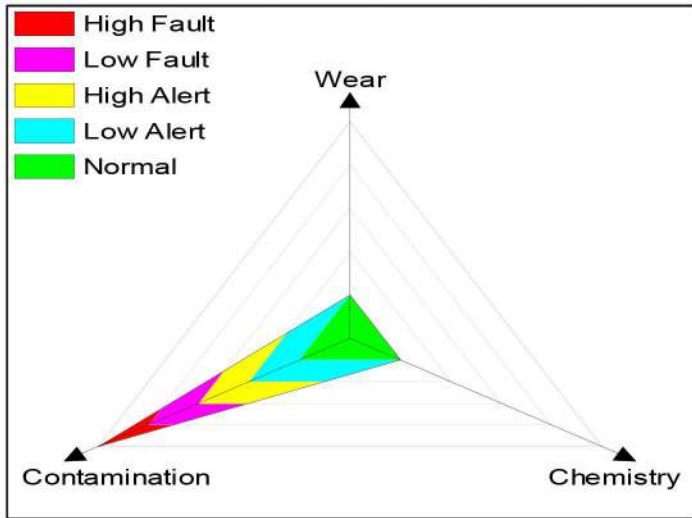
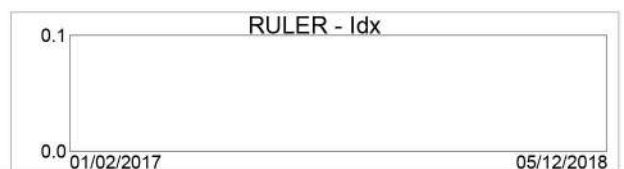
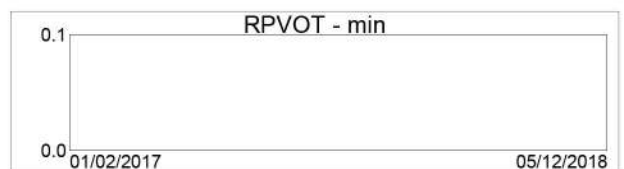
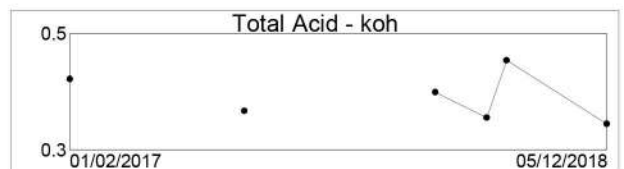
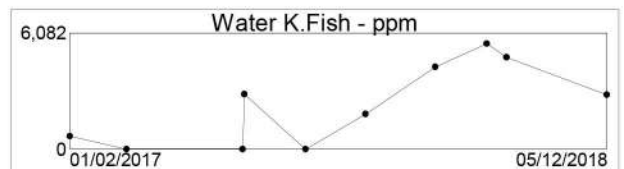
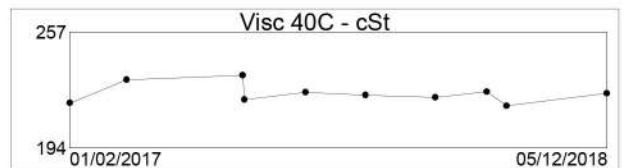
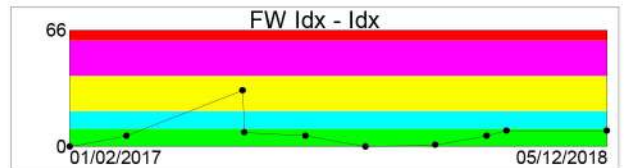
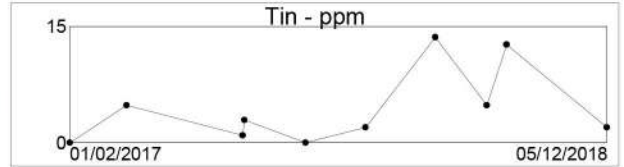
EXTREME

Oil Grade / Type:
Castrol Alphasyn PG220

Wear	0	10	10	10	0
Aluminum - ppm	0.00	4.00	3.00	1.00	0.00
Chromium - ppm	0.00	1.00	1.00	1.00	0.00
Copper - ppm	1.00	10.00	4.00	2.00	3.00
Iron - ppm	12.0	48.0	89.0	7.0	66.0
Lead - ppm	0.00	6.00	0.00	10.00	0.00
Nickel - ppm	0.00	3.00	1.00	2.00	0.00
Silver - ppm	0.00	1.00	0.00	0.00	0.00
Tin - ppm	2.00	13.00	5.00	14.00	2.00
Vanadium - ppm	0.00	0.00	0.00	0.00	0.00
FW Idx - idx	9	9	6	1	0

Contamination	85	30	85	85	10
Boron - ppm	0.00	29.00	33.00	9.00	9.00
Silicon - ppm	2.00	0.00	1.00	0.00	10.00
Sodium - ppm	1.00	6.00	14.00	12.00	1.00
Cnts >4 - pml					
Cnts >6 - pml					
Cnts >14 - pml					
Cnts >18 - pml					
Cnts >22 - pml					
Cnts >32 - pml					
Cnts >38 - pml					
Cnts >56 - pml					
ISO >4 - n/a					
ISO >6 - n/a					
ISO >14 - n/a					
IR Soot - au					
Water K.Fish - ppm	2,842.0	4,803.0	5,529.0	4,308.0	1,838.0

Chemistry	0	0	0	0	0
Calcium - ppm	0.00	6.00	7.00	3.00	0.00
Magnesium - ppm	0.00	0.00	2.00	1.00	1.00
Molybdenum - ppm	0.00	1.00	0.00	2.00	0.00
Phosphorus - ppm	1,885.00	8,583.00	3,574.00	6,396.00	191.00
Zinc - ppm	0.00	4.00	2.00	4.00	1.00
Manganese - ppm	0.00	1.00	1.00	0.00	0.00
IR Oxidation - au					
IR Nitration - au					
Visc 40C - cSt	223.8	217.2	225.0	221.8	223.1
Total Acid - koh	.31	.41	.32	.36	
RPVOT - min					
RULER - idx					



Analysis/ Recommendations

WEAR LEVELS ARE FINE. THE OIL IS WET AND LOOKS CLOUDY, IN APPEARANCE. ALL OTHER READINGS ARE FINE. INVESTIGATE THE SOURCE OF THE WATER PRESENCE AND TAKE REMEDIAL ACTIONS TO PREVENT IT. THE OIL SHOULD BE DRIED OR CHANGED. RESAMPLE EARLY TO MONITOR.