OIL ANALYSIS REPORT

502804 ONAN B140631776 - GENSET

Sample No: VPA058192

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

Sample Number		VPA058192	 	
Sample Date		06 Mar 2024	 	
Machine Hours		644	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.0	 	
Base Number (BN)	mg KOH/g	9.9	 	
Oxidation (PA)	%	59	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	43	 	
Sulfation (PA)	%	52	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	0	 	
Potassium	ppm	0	 	
WEAR METALS				
Iron	ppm	1	 	
Copper	ppm	0	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	60	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
WDDIIIAC2		1152	 	
Calcium	ppm			
Calcium Magnesium	ppm ppm	1014	 	
Calcium Magnesium Zinc	ppm ppm	1320	 	
Calcium Magnesium Zinc Phosphorus	ppm ppm ppm	■ 1320 ■ 1115		
Calcium Magnesium Zinc	ppm ppm	1320	 	



North Harbor Diesel Inc 720 30Th Street ANACORTES, WA US 98221 Contact: ED MCFARLIN ed@northharbordiesel.com T:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 VP179089

 Unique No:
 10929306

 Signed:
 Sean Felton

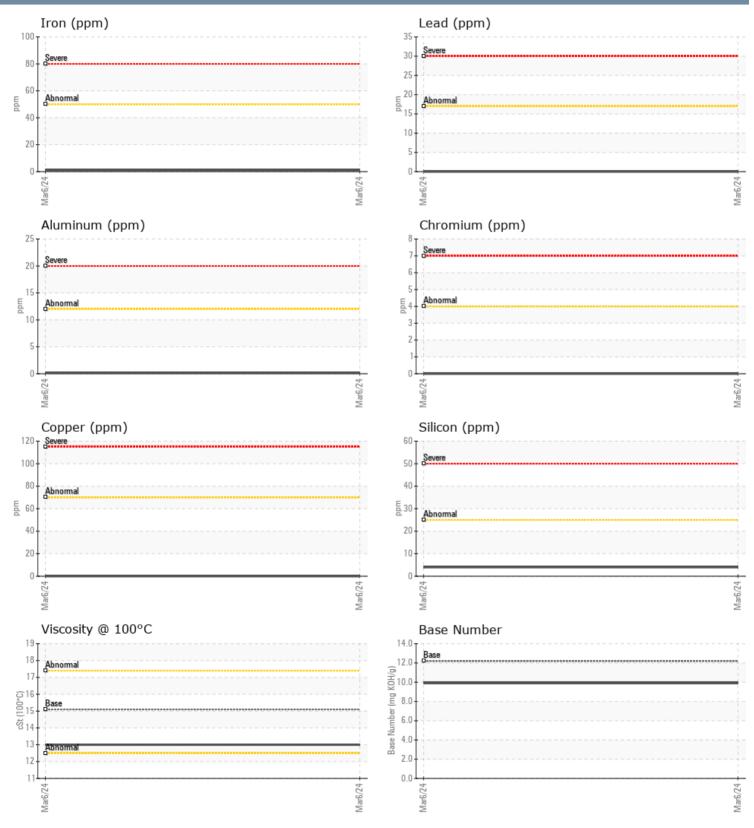
 Report Date:
 20 Mar 2024

Contact/Location: ED MCFARLIN - VP179089

OIL ANALYSIS REPORT



GRAPHS



Contact/Location: ED MCFARLIN - VP179089