OIL ANALYSIS REPORT

DAVE HOLT PATRICK/502207-5750 ONAN L160124932 - GENSET

Sample No: VPA062543

Oil Type: VOLVO VDS-4.5 Premium Motor Oil 15W40

Sample Number		VPA062543	 	
Sample Date		21 May 2024	 	
Machine Hours		576	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
ample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.9	 	
Base Number (BN)	mg KOH/g	8.9	 	
Oxidation (PA)	%	60	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.2	 	
Nitration (PA)	%	56	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	8	 	
Sodium	ppm	3	 	
Potassium	ppm	2	 	
WEAR METALS				
Iron	ppm	3	 	
Copper	ppm	■<1	 	
Lead	ppm	 <1	 	
Tin	ppm	 <1	 	
Aluminum	ppm	1	 	
Chromium	ppm	■<1	 	
	ppm	42	 	
Molybdenum	ppin			
Molybdenum Nickel	ppm	□ <1	 	
Nickel		■<1 <1	 	
Nickel Titanium	ppm	_		
Nickel Titanium Silver	ppm ppm	<1	 	
-	ppm ppm ppm	<1 <1	 	
Nickel Titanium Silver Manganese	ppm ppm ppm ppm	<1 _<1 _0	 	
Nickel Titanium Silver Manganese Vanadium	ppm ppm ppm ppm	<1 _<1 _0	 	
Nickel Titanium Silver Manganese Vanadium ADDITIVES Calcium	ppm ppm ppm ppm ppm	<1 <1 0 <1	 	
Nickel Titanium Silver Manganese Vanadium ADDITIVES	ppm ppm ppm ppm ppm	<1 <1 0 <1	 	
Nickel Titanium Silver Manganese Vanadium ADDITIVES Calcium Magnesium	ppm ppm ppm ppm ppm	<1 <1 0 <1 1184 771		
Nickel Titanium Silver Manganese Vanadium ADDITIVES Calcium Magnesium Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	<1 <1 0 <1 1184 771 889		

Sean Felton Report Date:

arine LLC - Coastal Marine - 152124 1th Ave. NW .E, WA 107 t: WILLOW YANARELLA @coastalmarineengine.com 784-3703 784-8823

nosis

rrective action is recommended time. Resample at the next interval to monitor.Metal are typical for a new onent breaking in. There is no ion of any contamination in The BN result indicates that s suitable alkalinity remaining oil. The condition of the oil is e for further service.

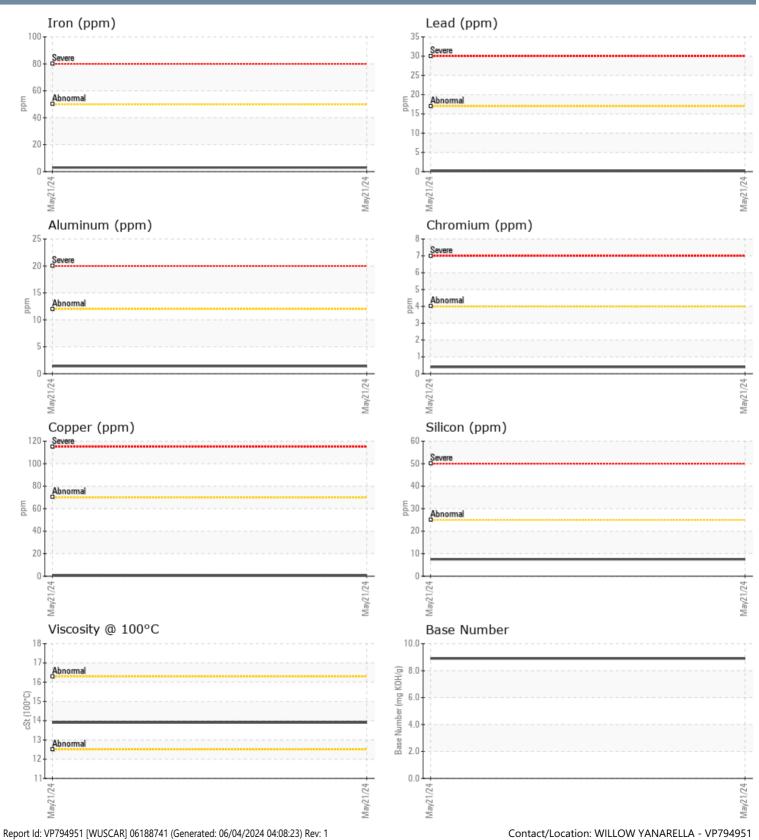
Contact/Location: WILLOW YANARELLA - VP794951



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