OIL ANALYSIS REPORT

VOLVO PENTA 7008517892 - STARBOARD DIESEL ENGINE GORDON FERGUSON DILLON

Sample No: VPA060089

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

ample Number		VPA060089	VPA035136	
ample Date		14 Feb 2024	01 Nov 2021	
1achine Hours		443	146	
il Hours		251	0	
il Changed		Changed	N/A	
ample Status		NORMAL	ATTENTION	
OIL CONDITION				
isc @ 100°C	cSt	13.7	▲ 12.1	
ase Number (BN)	mg KOH/g	9.3		
xidation (PA)	%	55	60	
ONTAMINATION				
ater	%	NEG	NEG	
oot %	%	0.7	0.6	
itration (PA)	%	54	55	
ulfation (PA)	%	54	55	
lycol	%	NEG	NEG	
iel	%	<1.0	0.2	
licon	ppm	11	26	
odium	ppm	2	0	
tassium	ppm	□ <1	1	
VEAR METALS				
on	ppm	1 9	21	
opper	ppm	69	62	
ad	ppm	0	<1	
ו	ppm	 <1	<1	
uminum	ppm	2	2	
iromium	ppm	 <1	2	
olybdenum	ppm	59	62	
ickel	ppm	3	3	
tanium	ppm	 <1	 <1	
ver	ppm	 <1	1	
anganese	ppm	 <1	2	
nadium	ppm	0	0	
ADDITIVES				
alcium	ppm	1032	1369	
agnesium	ppm	937	896	
nc	ppm	1220	1219	
osphorus	ppm	1003	1109	
rium	ppm	0	0	
ron	ppm	5	5	

dor Marine LLC - Coastal Marine - 152124 300 11th Ave. NW ATTLE, WA 98107 ontact: WILLOW YANARELLA rvice@coastalmarineengine.com (206)784-3703 (206)784-8823

iagnosis

esample at the next service interval monitor.All component wear rates re normal. There is no indication of ny contamination in the oil. The BN esult indicates that there is suitable Ikalinity remaining in the oil. The ondition of the oil is acceptable for ne time in service.

Report Date:

VP794951

10884400

Don Baldridge

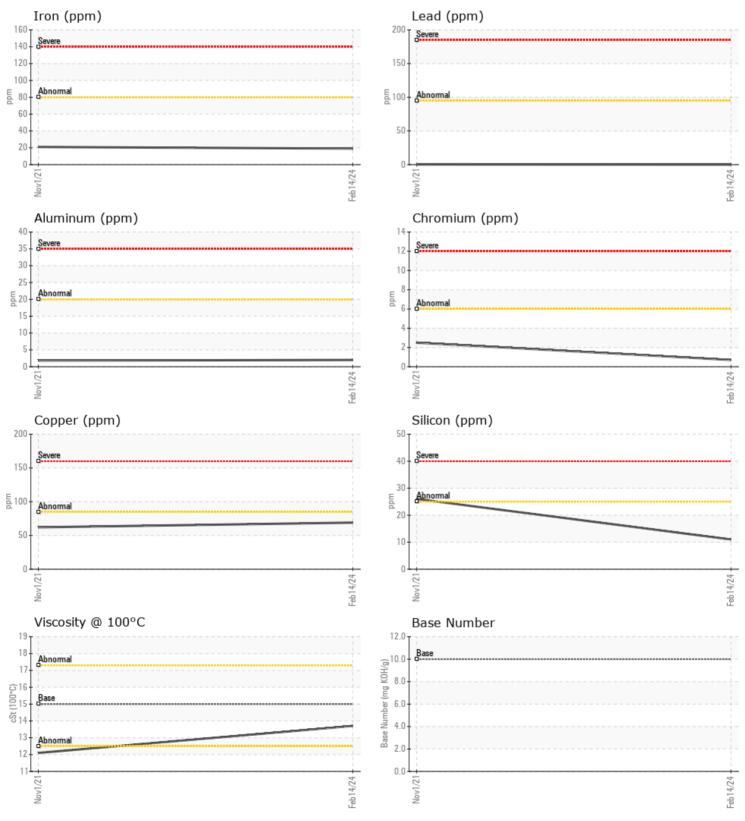
19 Feb 2024



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GRAPHS



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Contact/Location: WILLOW YANARELLA - VP794951