OIL ANALYSIS REPORT

WILLIAM ROLAND 505978 WESTERBEKE 159041-E611 (S/N 53160) - GENSET

Sample No: VPA053689

Oil Type: VOLVO PENTA SAE 15W40

SAMPLE INFORMATION

SAMELL IN VINNA				
Sample Number		VPA053689	VPA042446	
Sample Date		04 May 2024	15 Feb 2023	
Machine Hours		642	63	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		NORMAL	ABNORMAL	
OIL CONDITION				
Visc @ 100°C	cSt	12.9	13.3	
Base Number (BN)	mg KOH/g	10.0	8.6	
Oxidation (PA)	%	53	43	
CONTAMINATION				
Water	%	NEG	NEG	
Soot %	%	0.1	0.2	
Nitration (PA)	%	41	54	
Sulfation (PA)	%	49	41	
Glycol	%	NEG	NEG	
Fuel	%	<1.0	<1.0	
Silicon	ppm	5	24	
Sodium	ppm	12	527	
Potassium	ppm	2	25	
WEAR METALS				
Iron	ppm	4 7	▲ 599	
Copper	ppm	3	12	
Lead	ppm	1	3	
Tin	ppm	0	1	
Aluminum	ppm	6	1 20	
Chromium	ppm	2	▲ 18	
Molybdenum	ppm	62	38	
Nickel	ppm	0	2	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	□ <1	7	
Vanadium	ppm	0	0	
ADDITIVES				
Calcium	ppm	1163	1564	
Magnesium	ppm	1041	762	
Zinc	ppm	1041	1251	
Phosphorus	ppm	■ 1337 ■ 1122	985	
Barium	ppm ppm	0	985	
Boron	ppm	1	9	
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Jefferson Beach Yacht Sales Inc 24400 Jefferson Ave. SAINT CLAIR SHORES, MI US 48080 Contact: DENNIS BUTT dbutt@jbys.com T: (866)490-5297

Diagnosis

F:

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:
 VP297371

 Unique No:
 11021118

 Signed:
 Don Baldridge

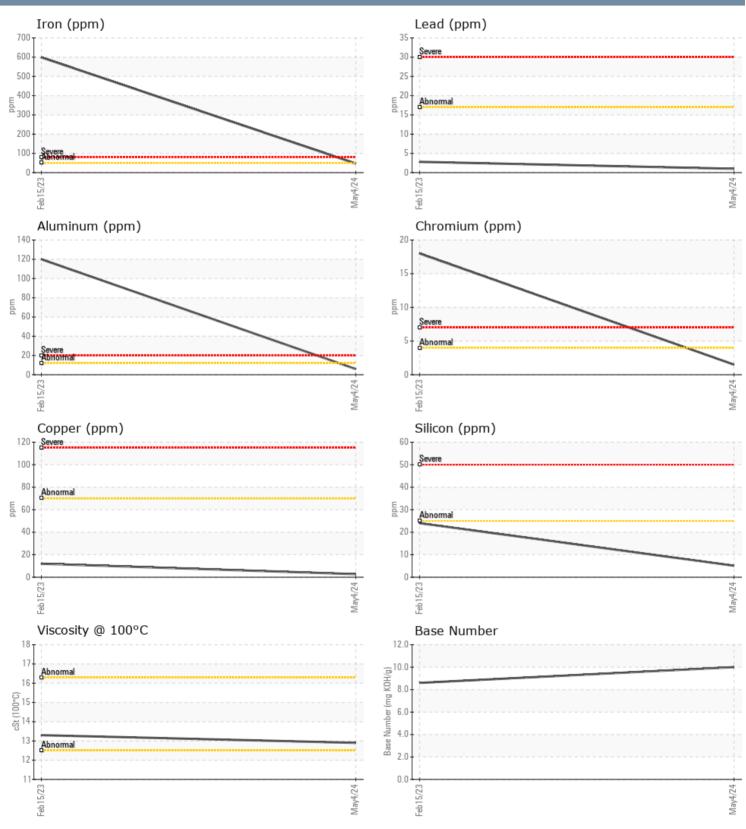
 Report Date:
 13 May 2024

Contact/Location: DENNIS BUTT - VP297371

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GRAPHS



Report Id: VP297371 [WUSCAR] 06175065 (Generated: 05/13/2024 14:51:59) Rev: 1

Contact/Location: DENNIS BUTT - VP297371