OIL ANALYSIS REPORT

ARON SHEEHAN ARON SHEEHAN VOLVO PENTA 4012181229 - STARBOARD DIESEL ENGINE

Sample No: VPA048742

Oil Type: VOLVO PENTA 10W40

SAMPLE INFORMATION

Sample Number		VPA048742	 	
Sample Date		29 Jun 2023	 	
Machine Hours		350	 	
Oil Hours		0	 	
Oil Changed		Not Changd	 	
Sample Status		ABNORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	13.5	 	
Base Number (BN)	mg KOH/g	8.2	 	
Oxidation (PA)	%	40	 	
CONTAMINATION				
Soot %	%	0.1	 	
Nitration (PA)	%	66	 	
Sulfation (PA)	%	45	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	38	 	
Sodium	ppm	■74	 	
Potassium	ppm	6	 	

WEAR METALS

Iron	ppm	150	 	
Copper	ppm	47	 	
Lead	ppm	□<1	 	
Tin	ppm	0	 	
Aluminum	ppm	🔺 55	 	
Chromium	ppm	5	 	
Molybdenum	ppm	69	 	
Nickel	ppm		 	
Titanium	ppm	□ <1	 	
Silver	ppm	0	 	
Manganese	ppm	2	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	1224	 	
Magnesium	ppm	573	 	
Zinc	ppm	813	 	
Phosphorus	ppm	653	 	
Barium	ppm	0	 	
Boron	ppm	86	 	

VOLVO PENTA

ADMIRALTY MARINE 2775 KURTZ ST, STE 12 SAN DIEGO, CA

US 92110 Contact: Terry Albee TALBEE@ADMIRALTYMARINE.NET T: F:

Diagnosis

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.Aluminum and iron ppm levels are abnormal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 VP151529

 Unique No:
 10547676

 Signed:
 Doug Bogart

 Report Date:
 09 Jul 2023

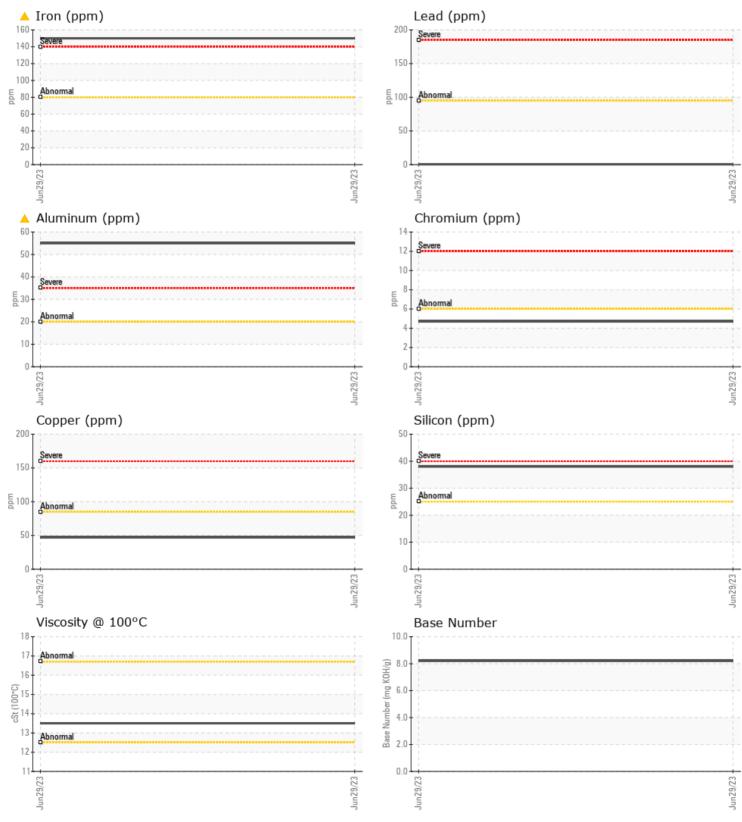
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Contact/Location: Terry Albee - VP151529

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GRAPHS



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Contact/Location: Terry Albee - VP151529