OIL ANALYSIS REPORT

NADINE URCIUOLI SANDRA WILSON KOHLER J150840594 - GENSET

Sample No: VPA055954

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

Sample Number		VPA055954	 	
Sample Date		29 Dec 2023	 	
Machine Hours		665	 	
Oil Hours		665	 	
Oil Changed		Changed	 	
Sample Status		NORMAL	 	
OIL CONDITION				
/isc @ 100°C	cSt	13.3	 	
Base Number (BN)	mg KOH/g	9.4	 	
Oxidation (PA)	%	65	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	45	 	
Sulfation (PA)	%	61	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	4	 	
Sodium	ppm	4	 	
Potassium	ppm	2	 	
WEAR METALS				
ron	ppm	2	 	
Copper	ppm	■ <1	 	
_ead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	2	 	
Chromium	ppm	0	 	
Molybdenum	ppm	103	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	
ADDITIVES				
Calcium	ppm	1379	 	
Magnesium	ppm	721	 	
Zinc	ppm	946	 	
Phosphorus	ppm	724	 	
n =	ppm	0	 	
Barium Boron	ppm	267	 	

VOLVO Penta

Helmuts Marine Service 519 Canal Street 5AN RAFAEL, CA JS 94901-3545 Contact: NADINE URCIUOLI SERVICE@HELMUTSMARINE.COM F: x:

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:
 VP152741

 Unique No:
 10823679

 Signed:
 Don Baldridge

 Report Date:
 12 Jan 2024

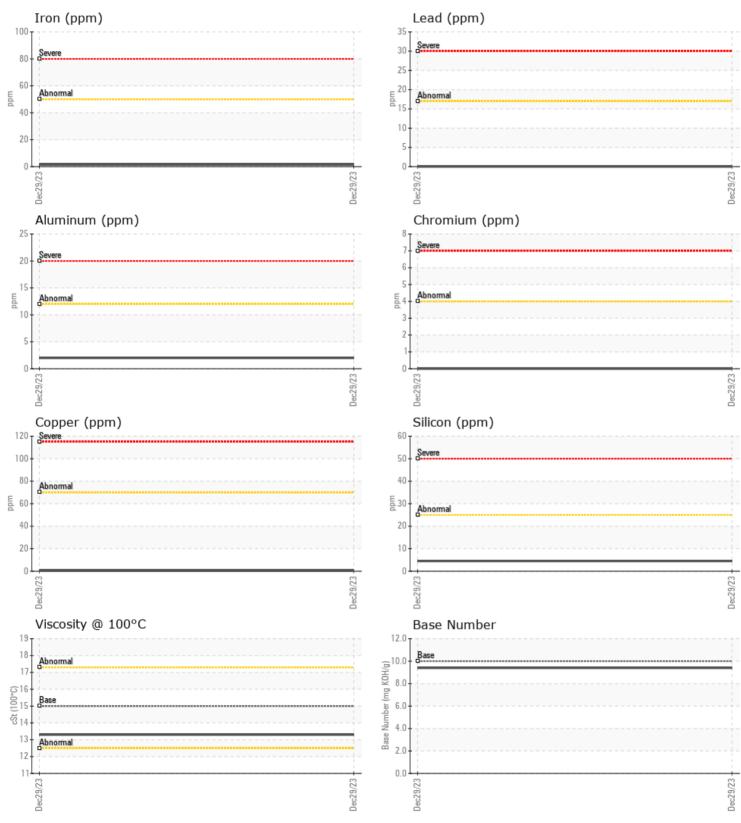
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Contact/Location: NADINE URCIUOLI - VP152741

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GRAPHS



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