OIL ANALYSIS REPORT

THERAPY VOLVO PENTA A 114490 - PORT DIESEL ENGINE

Sample No: VPA045486

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

Sample Number		VPA045486	 	
Sample Date		13 Sep 2023	 	
Machine Hours		159	 	
Oil Hours		159	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	12.8	 	
Base Number (BN)	mg KOH/g	9.9	 	
Oxidation (PA)	%	76	 	
CONTAMINATION				
Soot %	%	0.4	 	
Nitration (PA)	%	48	 	
Sulfation (PA)	%	60	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	24	 	
Sodium	ppm	4	 	
Potassium	ppm	4	 	
WEAR METALS	ppm	22	 	
Copper	ppm	1 5	 	
Lead 	ppm	5	 	
Tin	ppm	3	 	
Aluminum	ppm	9	 	
Chromium	ppm	2	 	
Molybdenum	ppm	4 0	 	
Nickel	ppm	1	 	
	ppm	0	 	
Titanium			 	
Silver	ppm	0		
Silver Manganese	ppm ppm	1	 	
Silver Manganese	ppm			
Silver	ppm ppm	1		
Silver Manganese Vanadium ADDITIVES Calcium	ppm ppm	1		
Silver Manganese Vanadium ADDITIVES Calcium	ppm ppm ppm	□ 1 0	 	
Silver Manganese Vanadium ADDITIVES	ppm ppm ppm ppm	1 0 1815	 	
Silver Manganese Vanadium ADDITIVES Calcium Magnesium	ppm ppm ppm ppm ppm	1 0 1815 504	 	
Silver Manganese Vanadium ADDITIVES Calcium Magnesium Zinc	ppm ppm ppm ppm ppm ppm	1 0 1815 504 1179	 	



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le at the next service interval itor.All component wear rates mal. There is no indication of tamination in the oil. The BN dicates that there is suitable y remaining in the oil. The on of the oil is suitable for service.

VP694356 10649116 lo: Angela Borella Signed: Report Date: 20 Sep 2023

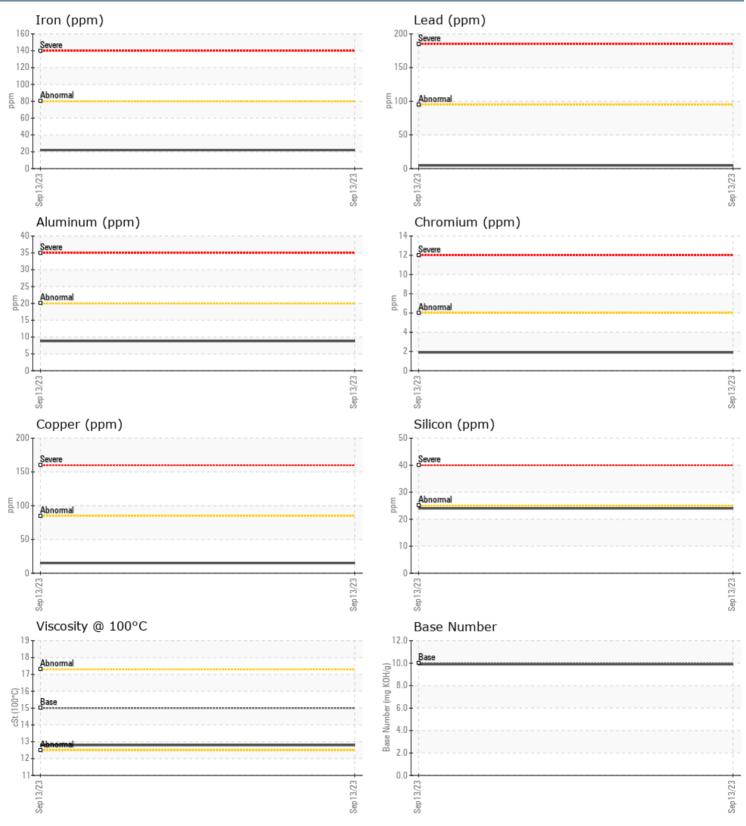
Contact/Location: JEF BURKE - VP694356



OIL ANALYSIS REPORT



GRAPHS



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