CONSTRUCTION EQUIPMENT

CARMUESE DRUMMOND IS VOLVO A60H 350 1 30 - DIESEL ENGINE

Sample No: VCP370978

ZOINZ

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3 Job No: CARMUESE DRUMMOND IS

SAMPLE INFORMATION

Sample Number		VCP370978	VCP385524	
Sample Date		18 Aug 2023	25 May 2023	
Machine Hours		5190	4664	
Oil Hours		0	0	
Oil Changed		Changed	Changed	
Sample Status		ABNORMAL	SEVERE	
OIL CONDI				
Visc @ 100°C	cSt	12.8	12.6	
Base Number (BN)	mg KOH/g	9.1	11.5	
Oxidation (PA)	%	63	76	
	TATION		_ <u>_</u>	
Soot %	%	1	0.5	
Nitration (PA)	%	72	64	
Sulfation (PA)	%	58	62	
Glycol	%	0.0	0.10	
Fuel	%	<1.0	< 1.0	
Silicon	ppm	4	6	
Sodium	ppm	39	1 15	
Potassium	ppm	<u> </u>	▲ 297	

WFAR METAL

WLAR M	ETALS			
Iron	ppm	25	13	
Copper	ppm	3	2	
Lead	ppm	2	0	
Tin	ppm		<1	
Aluminum	ppm	4	1	
Chromium	ppm	1	<1	
Molybdenum	ppm	64	59	
Nickel	ppm	4	<1	
Titanium	ppm	<1	<1	
Silver	ppm	0	0	
Manganese	ppm	 <1	< 1	
Vanadium	ppm	0	0	

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Calcium	ppm	1260	1624						
Magnesium	ppm	978	567						
Zinc	ppm	1324	1110						
Phosphorus	ppm	1068	899						
Barium	ppm	0	0						
Boron	ppm	3	41						

ALTA EQUIPMENT COMPANY - METRO WEST

56195 PONTIAC TRAIL NEW HUDSON, MI US 48165 Contact: NATE ROSZCZEWSKI nate.roszczewski@altaequipment.com T: F: (248)356-2029

Diagnosis

We advise that you check for possible coolant leak. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. Sodium and/or potassium levels are high. Test for glycol is negative. The condition of the oil is acceptable for the time in service.

 Depot:
 VOLVO2990

 Unique No:
 10631073

 Signed:
 Doug Bogart

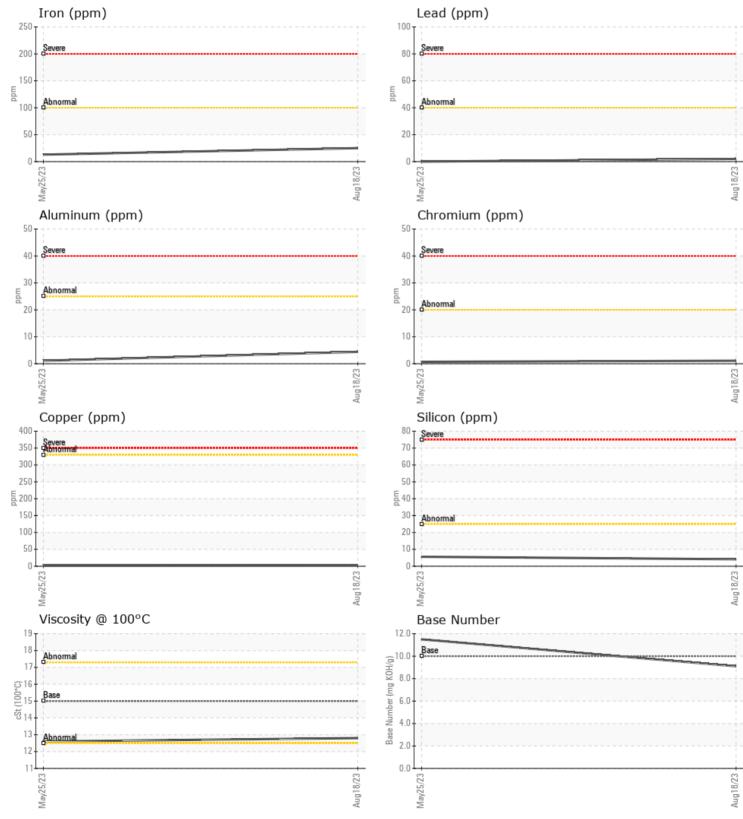
 Report Date:
 21 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO2990 [WUSCAR] 05940461 (Generated: 09/22/2023 08:21:29) Rev: 2

Contact/Location: NATE ROSZCZEWSKI - VOLVO2990