CONSTRUCTION EQUIPMENT SPM619136-10 CARMUES VOLVO A60H 350290 - DIESEL ENGINE

Sample No:VCP409078Oil Type:VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3Job No:SPM619136-10 CARMUES

## SAMPLE INFORMATION

ZOTAZ

Sample Number		VCP409078	VCP390164	 
Sample Date		12 Oct 2023	08 Aug 2023	 
Machine Hours		1083	510	 
Oil Hours		0	510	 
Oil Changed		Changed	Changed	 
Sample Status		ATTENTION	ATTENTION	 
OIL CONDI	TION			 
Visc @ 100°C	cSt	<b>12.3</b>	<b>1</b> 0.7	 
Base Number (BN)	mg KOH/g	8.4	5.6	 
Oxidation (PA)	%	84	58	 
CONTAMIN	IATION			 
Soot %	%	0.6	0.9	 
Nitration (PA)	%	73	82	 
Sulfation (PA)	%	63	55	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	1.6	 
Silicon	ppm	<b>10</b>	30	 
Sodium	ppm	3	0	 
Potassium	ppm	<b>□</b> <1	0	 

WEAR METALS

WLAK N	AETALS			
Iron	ppm	<b>1</b> 7	40	 
Copper	ppm	118	216	 
Lead	ppm	□<1	0	 
Tin	ppm	2	3	 
Aluminum	ppm	<b>4</b>	3	 
Chromium	ppm	<b>1</b>	4	 
Molybdenum	ppm	44	83	 
Nickel	ppm	5	4	 
Titanium	ppm	0	0	 
Silver	ppm	0	0	 
Manganese	ppm	<b>1</b>	< 1	 
Vanadium	ppm	0	0	 

Variacita

ADDITIVES						
Calcium	ppm	1597	2297			
Magnesium	ppm	<b>423</b>	14			
Zinc	ppm	<b>1020</b>	1247			
Phosphorus	ppm	854	974			
Barium	ppm	0	0			
Boron	ppm	28	32			

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

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. 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 oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

 Depot:
 VOLVO2990

 Unique No:
 10714099

 Signed:
 Don Baldridge

 Report Date:
 30 Oct 2023

Report Id: VOLVO2990 [WUSCAR] 05991437 (Generated: 10/30/2023 16:15:36) Rev: 1

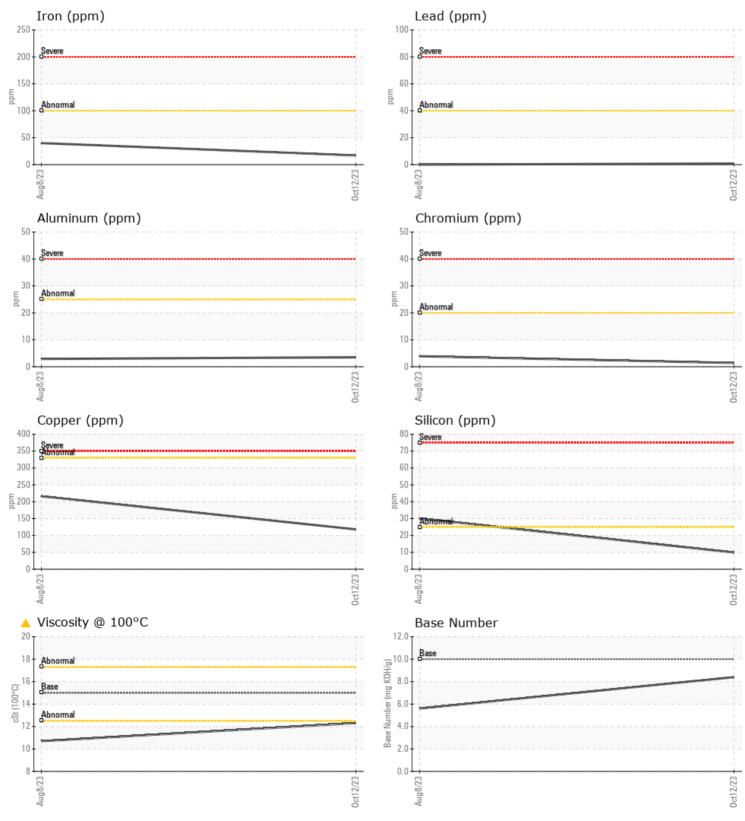
Contact/Location: NATE ROSZCZEWSKI - VOLVO2990

## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



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Contact/Location: NATE ROSZCZEWSKI - VOLVO2990