CONSTRUCTION EQUIPMENT

ASCENDUM MACHINERY 1145-CSA VOLVO A30G ORT-23 (S/N A30GV74255T) DIESEC ENGINE

 Sample No:
 VCP370365

 Oil Type:
 VOLVO ULT

VOT VO

VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:

Zinc

Barium

Boron

Phosphorus

1145-CSA

SAMPLE II	NFORMATION					
Sample Number	-	VCP370365	VCP0002888	VCP343375	VCP304744	
Sample Date		31 May 2023	24 Jun 2022	26 Oct 2021	15 Apr 2021	
Machine Hours		2926	2015	1466	992	
Oil Hours		0	549	0	0	
Oil Changed		Changed	Changed	Changed	Changed	
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL	
OIL CONDI	TION					
				-		
Visc @ 100°C	cSt	11.7	▲ 11.1	▲ 11.1	1 1.0	
Base Number (BN)		8.8	9.6			
Oxidation (PA)	%	55	78	76	82	
VOLVO						
Contamii	NATION					
Water	%	NEG	NEG	NEG	NEG	
Soot %	%	0.2	0.3	0.3	0.3	
Nitration (PA)	%	56	65	64	63	
Sulfation (PA)	%	50	61	61	67	
Glycol	%	NEG	NEG	NEG	NEG	
uel	%	4.8	▲ 7.1	▲ 5.8	4.7	
Silicon	ppm	4	5	6	8	
Sodium	ppm	2	1	2	2	
Potassium	ppm	2	0	0	<1	
	PP					
VOLVO	-					
VEAR ME	IALS					
ron	ppm	4	8	9	10	
Copper	ppm	0	2	10	▲ 73	
.ead	ppm	0	< 1	1	< 1	
īn	ppm	 <1	1	1	1	
Aluminum	ppm	2	2	1	0	
Chromium	ppm		<1	 <1	<1	
Molybdenum	ppm	58	40	48	36	
Nickel	ppm	 <1	 <1	0	0	
ītanium	ppm	0	<1	<1	<1	
Silver	ppm	0	0	0	0	
Manganese	ppm	 <1	 <1	<1	1	
/anadium	ppm	<1	0	0	0	
	<u>۲</u>					
		100 :	-1622	- 45.46		
Calcium	ppm	1084	1622	1546	1645	
Magnesium	ppm	964	468	495	404	

1038

840

0

53

1011

864

0

39

1016

868

0

41



PEDULLA EXCAVATING & PAVING

1275 SHINN FARM RD MOORESVILLE, NC US 28115 Contact: Service Manager

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 PEDMOOVC

 Unique No:
 10497197

 Signed:
 Wes Davis

 Report Date:
 05 Jun 2023

Report Id: PEDMOOVC [WUSCAR] 05862732 (Generated: 02/22/2024 14:19:58) Rev: 1

1297

1060

0 🔲

4

ppm

ppm

ppm

ppm

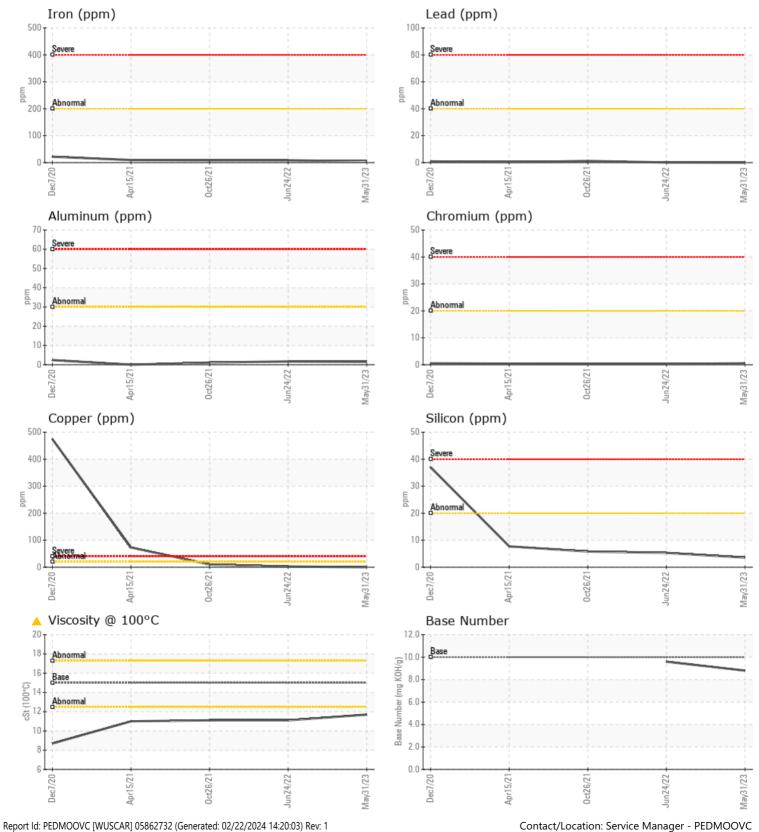
Contact/Location: Service Manager - PEDMOOVC

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



[.] Service manager 1 EBMOOVE