CONSTRUCTION EQUIPMENT

Sample No:VCP437817Oil Type:DIESEL ENGINE OIL SAE 40Job No:1027787 CUSTOM LANDS

VOLVO

Glycol

Silicon

Sodium

Potassium

Fuel

%

%

ppm

ppm

ppm

NEG

<1.0

A 39

4

6

SAMPLE INFORMATION VCP437817 Sample Number VCP339137 Sample Date 06 May 2024 29 Oct 2021 Machine Hours 7020 4320 Oil Hours 0 0 N/A Not Changd Oil Changed ABNORMAL Sample Status NORMAL **OIL CONDITION** 13.3 Visc @ 100°C cSt 12.6 Base Number (BN) mg KOH/g 9.1 Oxidation (PA) 81 78 % CONTAMINATION NEG % NEG Water % Soot % 0.5 0.1 Nitration (PA) % 61 43 % 61 63 Sulfation (PA)



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: KEITH FELL kfell@arnoldmachinery.com T: (602)414-1900 F: (602)414-1904

Diagnosis

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. 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.

WEAR METALS								
Iron	ppm	42	4					
Copper	ppm	9	6					
Lead	ppm	2	<1					
Tin	ppm	4	<1					
Aluminum	ppm	4	2					
Chromium	ppm	■ <1	 <1					
Molybdenum	ppm	42	41					
Nickel	ppm	2	<1					
Titanium	ppm	□<1	0					
Silver	ppm	0	<1					
Manganese	ppm	2	<1					
Vanadium	ppm	0	0					
Vanadium	ppm	0	0					

NEG

< 1.0

8

2

3

ADDITIVES								
Calcium	ppm	1694	1689					
Magnesium	ppm	475	507					
Zinc	ppm	1064	1097					
Phosphorus	ppm	920	976					
Barium	ppm	 <1	0					
Boron	ppm	40	81					

 Depot:
 VOLVO6174

 Unique No:
 11021137

 Signed:
 Don Baldridge

 Report Date:
 13 May 2024

Report Id: VOLVO6174 [WUSCAR] 06175084 (Generated: 05/13/2024 15:02:09) Rev: 1

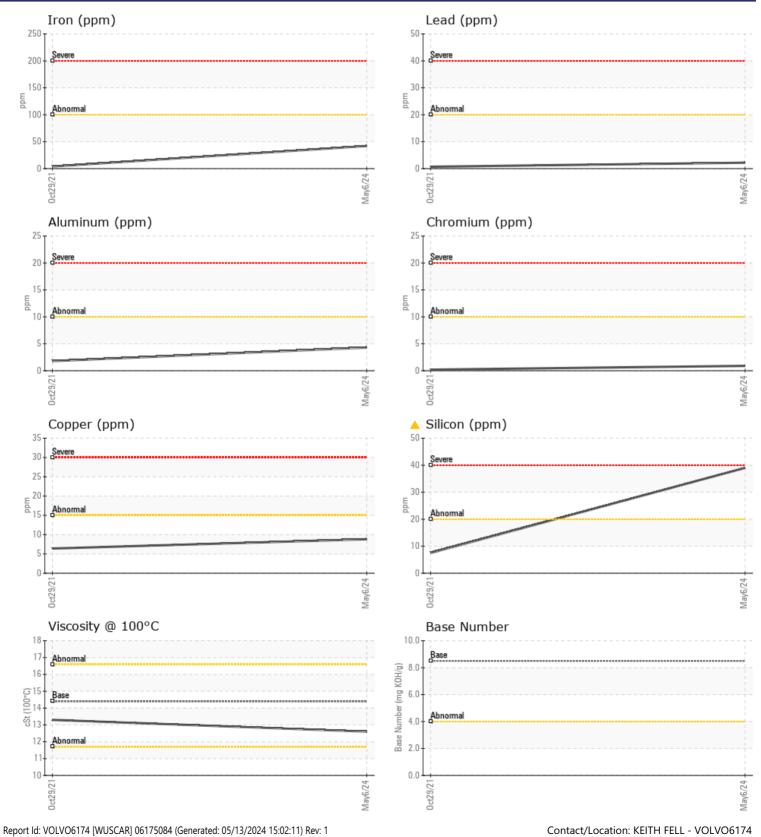
Contact/Location: KEITH FELL - VOLVO6174

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



^{...,}