CONSTRUCTION EQUIPMENT SW1027980 DIAMOND VOLVO A40D 12032 - DROP BOX

 Sample No:
 VCP412922

 Oil Type:
 GEAR OIL SAE 80W90

 Job No:
 SW1027980 DIAMOND

VOLVO

SAMPLE INFORMATION Sample Number VCP412922 Sample Date 04 Jan 2024 Machine Hours 6905 Oil Hours 0 Oil Changed Changed Sample Status SEVERE	
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Sample Status SEVERE	
OIL CONDITION	
Visc @ 40°C cSt 🔺 88.5	
Potassium ppm 44	
VOLVO	
WEAR METALS	
Vanadium ppm <1	
VOLVO	
ADDITIVES	
Calcium ppm 203	
Magnesium ppm 59	
Zinc ppm 207	



ARNOLD MACHINERY COMPANY

4323 EAST WINSLOW AVENUE PHOENIX, AZ US 85040 Contact: RANDY PRZEKURAT randyp@arnoldmachinery.com T: F: (602)414-1904

Diagnosis

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil viscosity is lower than normal. The oil is no longer serviceable due to the presence of contaminants.

 Depot:
 VOLVO6174

 Unique No:
 10842666

 Signed:
 Don Baldridge

 Report Date:
 23 Jan 2024

523

1

47

Phosphorus

Barium

Boron

ppm

ppm

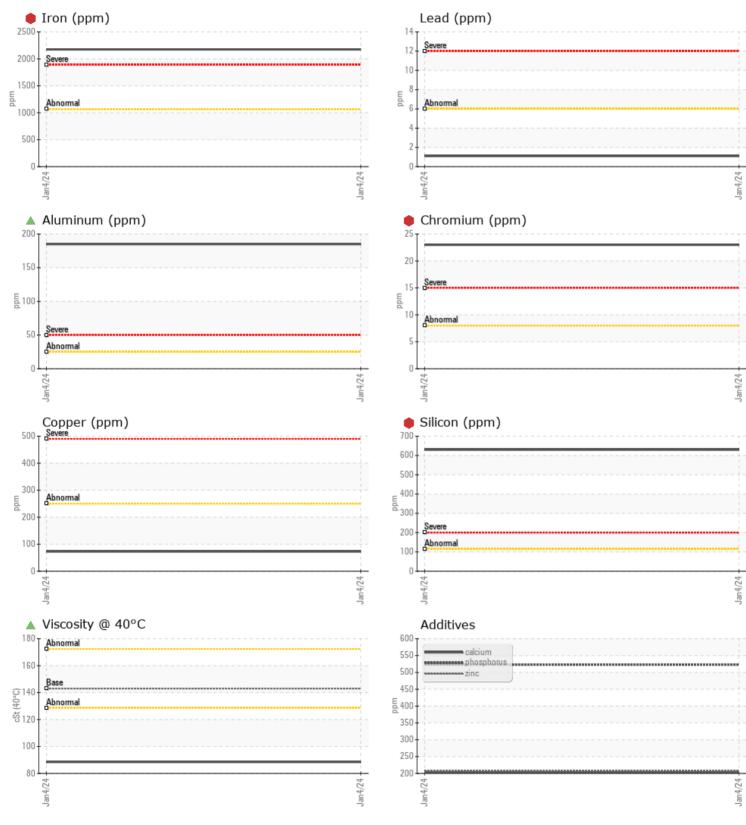
ppm

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: VOLVO6174 [WUSCAR] 06065989 (Generated: 01/23/2024 11:02:42) Rev: 1

Contact/Location: RANDY PRZEKURAT - VOLVO6174