CONSTRUCTION EQUIPMENT 3635BR NEAL EQUIP TAKEUCHI TB290 185107673 - DIESELENG

 Sample No:
 VCP415389

 Oil Type:
 MOBIL 15W40

 Job No:
 3635BR NEAL EQUIP

ZOIN

	NFORMATION				
	NF UNMATION		<u>.</u>		
Sample Number		VCP415389			
Sample Date		24 Oct 2023			
Machine Hours		1314			
Oil Hours		0			
Oil Changed		Not Changd			
Sample Status		SEVERE			
OIL CONDI					
	-				
Visc @ 100°C	cSt	10.0			
Base Number (BN)	mg KOH/g	8.3			
Oxidation (PA)	%	39			
CONTAMI					
	-	·		-	
Soot %	%	■0.1			
Nitration (PA)	%	61			
Sulfation (PA)	%	42			
Glycol	%	0.10			
Fuel	%	0.7			
Silicon	ppm	15			
Sodium	ppm	<u> </u>			
Potassium	ppm	🔺 253			
WEAR ME	TAIC				
WEAR ME	IALS				
Iron	ppm	71			
Copper	ppm	311			
Lead	ppm	 <1			
Tin	ppm	■ <1			
Aluminum	ppm	<u> </u>			
Chromium	ppm	5			
Molybdenum	ppm	96			
Nickel	ppm	3			
Titanium	ppm	0			
Silver	ppm	0			
Manganese	ppm	2			
	1.10				

Vanadium

ppm

ADDITIVES								
Calcium	ppm	<u> </u>						
Magnesium	ppm	485						
Zinc	ppm	704						
Phosphorus	ppm	707						
Barium	ppm	0						
Boron	ppm	37						



HIGHWAY EQUIPMENT AND SUPPLY CO

200 BURKHOLDER DR. EPHRATA, PA US 17522 Contact: RANDY BRYINGTON randy@hwyequip.com T: F: (717)859-2698

Diagnosis

We advise that you check for the source of the coolant leak. The oil is near the end of it's useful service life, recommend schedule an oil change. We advise that you flush the component thoroughly before refilling with oil. We recommend an early resample to monitor this condition.Aluminum ppm levels are abnormal. Piston wear is indicated. Fuel content negligible. Test for glycol is positive. There is a high concentration of glycol present in the oil. Calcium ppm levels are abnormally low. Visc @ 100°C is abnormally low. Sodium ppm levels are notably high. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

 Depot:
 INSEPH

 Unique No:
 10714100

 Signed:
 Wes Davis

 Report Date:
 31 Oct 2023

<1

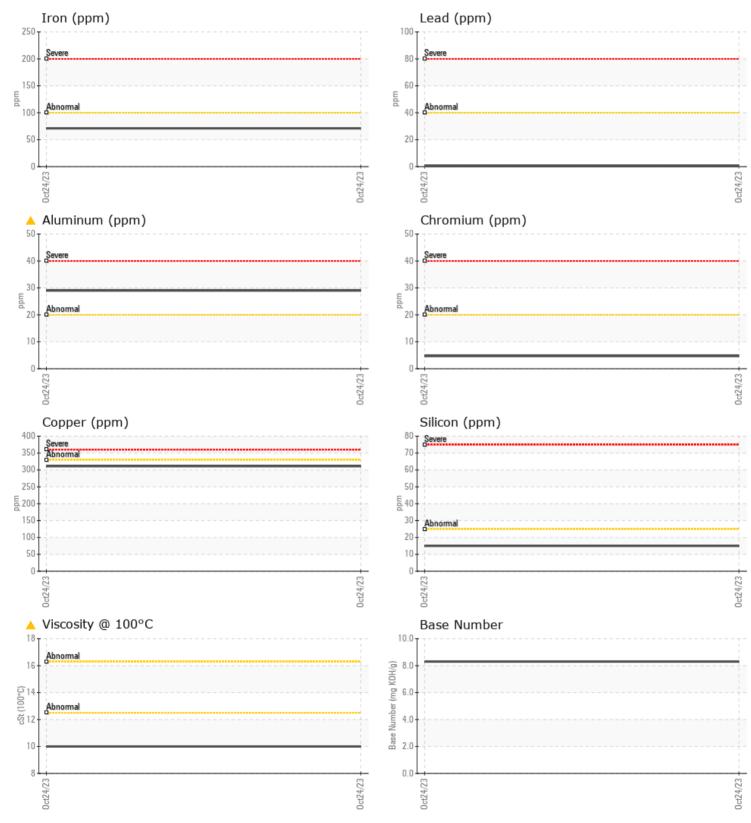
Contact/Location: RANDY BRYINGTON - INSEPH

CONSTRUCTION EQUIPMENT



GRAPHS

VOLVO



Report Id: INSEPH [WUSCAR] 05991438 (Generated: 10/31/2023 13:29:29) Rev: 1

Contact/Location: RANDY BRYINGTON - INSEPH