## CONSTRUCTION EQUIPMENT

LH0258528

26 Feb 2024

15490

**SEVERE** 

198

N/A

Sample No: LH0258528

Sample Number

Sample Date

Oil Hours

Oil Changed

Sample Status

Machine Hours

Oil Type: **DIESEL ENGINE OIL SAE 5W40** 

**SAMPLE INFORMATION** 





### **HENEGHAN WRECKING** 1321 W CONCORD PL CHICAGO, IL US 60622

Contact: SERVICE MANAGER

T: F:

OIL CONDITION							
Visc @ 100°C	cSt	<b>4.5</b>	O 12.5	<b>6.3</b>	6.3		
Base Number (BN)	mg KOH/g	<b>5.8</b>	○ 8.1	O 7.5	O 7.7		
Oxidation (PA)	%	45	49	45	45		

LH0254318

16 Apr 2023

Not Changd

MARGINAL

15292

LH0254404

06 Apr 2023

0

N/A

SEVERE

LH0217298

09 Mar 2023

15291

Changed

**SEVERE** 

48

### CONTAMINATION Water % NEG NEG NEG NEG % 0.2 0.2Soot % 0.2 Nitration (PA) % 72 32 47 47 Sulfation (PA) % 43 44 45 45 Glycol % NEG **NEG** NEG $\bigcirc$ 0.0 Fuel % **41.3** 0 4.6 29.3 31.8 **8** 08 Silicon $\bigcirc$ 6 ppm **2** Sodium ppm Potassium ppm **4**

WEA	R METALS	5			
Iron	ppm	<b>8</b>	O <1	<b>0</b> 0	<b>4</b>
Copper	ppm	<b>2</b>	O 0	O 2	O 2
Lead	ppm	<b></b> <1	<b>0</b> 0	O 0	O 0
Tin	ppm	<b>O</b> <1	O 0	<b>0</b>	O 0
Aluminum	ppm	<b></b> <1	O <1	O	O <1
Chromium	ppm	<b>1</b>	O 0	O <1	O <1
Molybdenum	ppm	<b>9</b>	<b>49</b>	<b>36</b>	<b>35</b>
Nickel	ppm	<b>O</b> <1	O 0	<b>0</b>	O <1
Titanium	ppm	<b></b> <1	0	<1	<1
Silver	ppm	<b>0</b>	O 0	<b>0</b>	<b>0</b>
Manganese	ppm	<b></b> <1	<1	O 0	O <1
Vanadium	ppm	<1	<1	0	0

EI.									
ADDITIVES									
Calcium	ppm	<b>723</b>	O 1655	1154	1198				
Magnesium	ppm	<b>329</b>	○ 369	○ 284	○ 313				
Zinc	ppm	<b>479</b>	O 1191	○ 819	883				
Phosphorus	ppm	<b>402</b>	931	<b>689</b>	728				
Barium	ppm	<b>2</b>	O 0	O 0	0				
Boron	ppm	<b>45</b>	<b>6</b>	O 13	<b>1</b> 3				

## Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: **HENCHI Unique No:** 10899708 Signed: Jonathan Hester **Report Date:** 04 Mar 2024

Contact/Location: SERVICE MANAGER ? - HENCHI

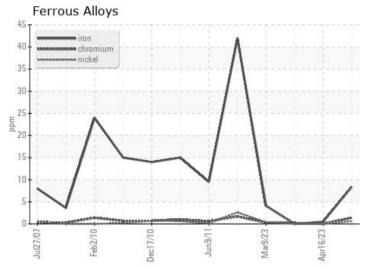
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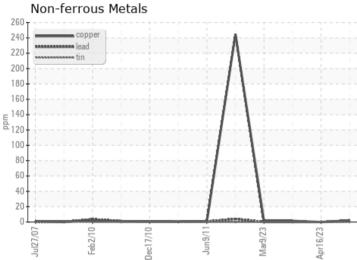
**CONSTRUCTION EQUIPMENT** 

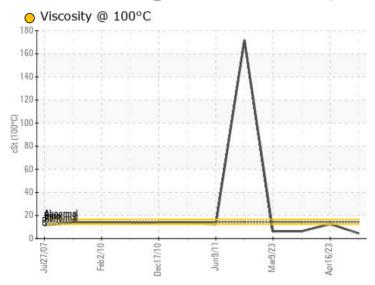


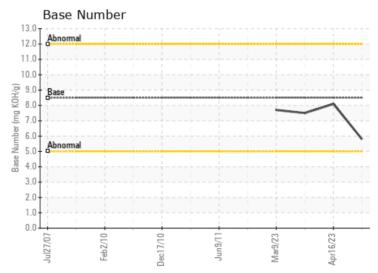


## **GRAPHS**









Report Id: HENCHI [WUSCAR] 06101478 (Generated: 03/04/2024 09:26:44) Rev: 1