

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

History1

28 Mar 2024

Changed

Changed

31

1

0

95

0

3

0

1

<1

<1

8

2

3.4

NEG

NEG

0.5

11.8

22.6

NONE

NONE

NONE

NORML

NORML

NEG

3

62

0

0

1

986

1176

3277

21.5

6.2

12.5

765

1354

1053

1206

4049

18.1

7.1

12.6

NONE

NONE

ATTENTION

1665

202

202

History2

11 Dec 2023

Changed

Changed ABNORMAL

19

<1

94

0

2

<1

1

<1

1

9

5

**A** 7.7

NEG

NFG

0.3

10.5

20.9

NONE

NONE

NONE

NORML

NORML

NEG

0

81

12

2

<1

674

933

1122

3647

16.6 7.2

🔺 12.1

1270

NONE

NONE

1

1463

212

212

PCA0122079 LW0008342

## **K5 CONSTRUCTION CORPORATION - HODGKINS IL** 4367 **Diesel Engine** LEAHY WOLF PREMIUM 15W40 (5 GAL) RECOMMENDATION Test UOM Method Limit/Abn Current Client Info LW0009469 Sample Number Resample at the next service interval to monitor. Sample Date **Client Info** 27 Jun 2024 Machine Age hrs Client Info 1867 Oil Age hrs Client Info 202 hrs **Client Info** 202 Filter Age Oil Changed **Client Info** Changed Filter Changed Changed Client Info Sample Status NORMAL WEAR Iron ppm ASTM D5185m >100 26 >20 Chromium ASTM D5185m ppm 1 All component wear rates are normal. Nickel ASTM D5185m >2 <1 ppm Titanium ppm ASTM D5185m >2 96 Silver ASTM D5185m >2 د1 ppm ASTM D5185m >25 Aluminum 3 ppm Lead ASTM D5185m >40 <1 ppm 2 Copper >330 ASTM D5185m ppm Tin ppm ASTM D5185m >15 <1 Vanadium ppm ASTM D5185m 1 White Metal NONE NONE scalar \*Visual NONE Yellow Metal scalar \*Visual NONE CONTAMINATION Silicon ASTM D5185m >25 6 ppm Potassium ppm ASTM D5185m >20 4 There is no indication of any contamination in the oil. Fuel WC Method >5 <1.0 Water WC Method >0.2 NEG Glycol WC Method NFG Soot % % \*ASTM D7844 >3 0.5 Nitration Abs/cm \*ASTM D7624 >20 11.2 Sulfation Abs/.1mm \*ASTM D7415 >30 23.7 Silt scalar \*Visual NONE NONE Debris scalar \*Visual NONE NONE \*Visual NONE NONE Sand/Dirt scalar Appearance \*Visual NORML NORML scalar Odor scalar \*Visual NORML NORML Emulsified Water scalar NEG \*Visual >0.2 FLUID CONDITION Sodium ASTM D5185m 2 ppm 57 Boron ASTM D5185m ppm The BN result indicates that there is suitable alkalinity remaining in the Barium ppm ASTM D5185m <1 oil. The condition of the oil is suitable for further service. Molybdenum 3 ppm ASTM D5185m Manganese ppm ASTM D5185m 1ء Magnesium ppm ASTM D5185m 724 Calcium ASTM D5185m 1331 ppm

Phosphorus

Zinc

Sulfur

Oxidation

Base Number (BN)

Visc @ 100°C

ppm

ppm

ppm

cSt

Abs/.1mm

mg KOH/g

ASTM D5185m

ASTM D5185m

ASTM D5185m

\*ASTM D7414

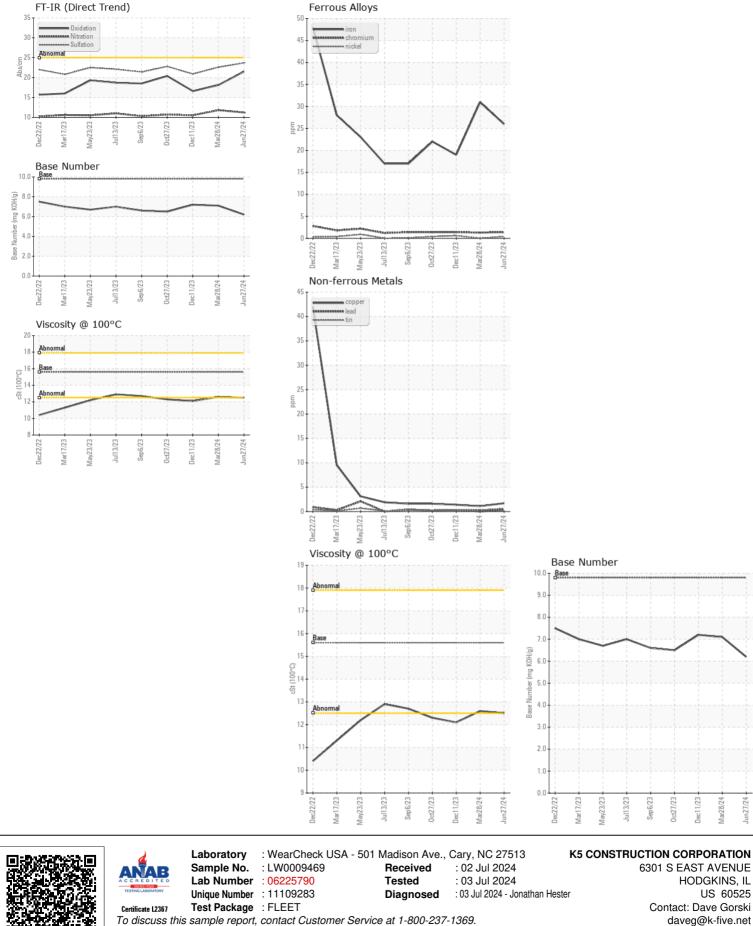
ASTM D2896

ASTM D445

>25

9.8

15.6



To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Submitted By: NOELLE TERRAULT Page 2 of 2

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