

# **OIL ANALYSIS REPORT**

## Area OKLAHOMA/102/EG - BACKHO 53.510L [OKLAHOMA^102^EG - BACK

**Diesel Engine** 

Fluid MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

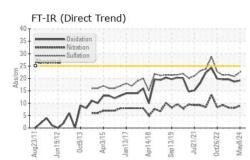
CKHOE LOADER]										
L)		g2011 Jun2012	Oct2013 Apr2015 Jan2	017 Apr2018 Sep2019 Jul2021 (	cet2022 May20					
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2				
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info Client Info		WC0935195 08 May 2024 10281 250 Changed NORMAL	WC0874000 15 Feb 2024 10030 258 Changed ATTENTION	WC0833983 28 Aug 2023 9772 310 Changed NORMAL				
CONTAMINATIC	N	method	limit/base	current	history1	history2				
Fuel Water Glycol		WC Method WC Method WC Method		<1.0 NEG NEG	1.7 NEG NEG	<1.0 NEG NEG				
WEAR METALS		method	limit/base	current	history1	history2				
Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m   ASTM D5185m	limit/base	36 <1 0 0 2 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21 1 1 <1 0 2 <1 2 <1 <1 <1 <1 <1 <1 <1 60 1 60 1 60 1 442 1651	12 <1 0 0 0 1 0 1 <1 0 0 0 history2 54 2 43 <1 539 1691				
Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		764 907 2929	751 921 2805	763 899 2935				
CONTAMINANT	S	method	limit/base	current	history1	history2				
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		8 11 0	8 13 2	7 14 1				
INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	method *ASTM D7844 *ASTM D7624 *ASTM D7415	limit/base	0.6 8.9 22.5	history1 0.6 8.1 20.8	history2 0.7 8.2 21.5				
FLUID DEGRAD Oxidation Base Number (BN)	ATION Abs/.1mm mg KOH/g	method *ASTM D7414 ASTM D2896	limit/base	current 19.1 9.1	history1 18.7 9.4	history2 19.6 10.2				

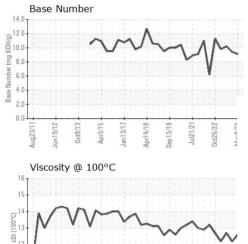
Sample Rating Trend

NORMAL



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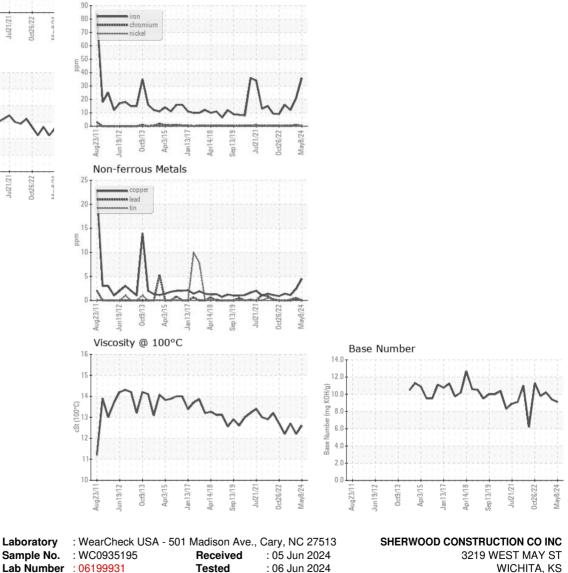


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ep13/19 Jul21/21

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445		12.6	12.2	12.7
GRAPHS						

Ferrous Alloys





Aug23/11 Jun19/12

Lab Number
: 06199931
Tested
: 06 Jun 2024

Unique Number
: 11062054
Diagnosed
: 06 Jun 2024 - Wes Davis

Certificate L2367
Test Package
: CONST (Additional Tests: TBN )
Control Contrecontrol Control Control Control Contrecontro Control C

WICHITA, KS US 67213 Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161 2012) F: x:

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Submitted By: BOBBY JONES

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