

OIL ANALYSIS REPORT

Sample Rating Trend





ARIZONA 2015 KENWORTH 5831

Diesel Engine

NAPA Motor Oil 15W40 (--- QTS)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

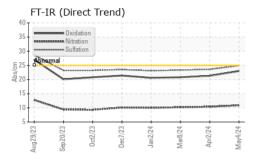
Fluid Condition

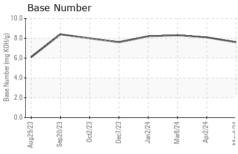
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

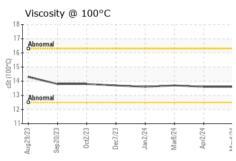
Sample Number Client Info WC0935449 WC0899583 WC0 Sample Date Client Info 04 May 2024 02 Apr 2024 08 M Machine Age hrs Client Info 16751 16627 0 Oil Age hrs Client Info 124 0 0 0 Oil Changed Client Info Not Changd Not	nistory2 910170 lar 2024 Changd MAL nistory2 1.0 EG EG nistory2
Sample Date Client Info 04 May 2024 02 Apr 2024 08 M Machine Age hrs Client Info 16751 16627 0 Oil Age hrs Client Info 124 0 0 0 Oil Changed Client Info Not Changd	Changd MAL nistory2
Machine Age hrs Client Info 16751 16627 0 Oil Age hrs Client Info 124 0 0 Oil Changed Client Info Not Changd <	Changd MAL nistory2 1.0 EG EG nistory2
Oil Age hrs Client Info 124 0 0 Oil Changed Client Info Not Changd	MAL nistory2 1.0 EG EG nistory2
Oil Changed Sample Status Client Info Not Changd Not Changd Nor	MAL nistory2 1.0 EG EG nistory2
Oil Changed Client Info Not Changd Not C	MAL nistory2 1.0 EG EG nistory2
Sample Status NORMAL NORMAL NORMAL CONTAMINATION method limit/base current history1 Fuel WC Method >5 <1.0 <1.0 <1.0 Water WC Method >0.2 NEG NEG NI Glycol WC Method NEG NEG NI WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 18 12 18 Chromium ppm ASTM D5185m >20 <1 0 <1 Nickel ppm ASTM D5185m >4 0 <1 <1 Titanium ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 2 2 3	nistory2 1.0 EG EG mistory2
Fuel WC Method >5 <1.0	EG EG nistory2
Water WC Method >0.2 NEG NEG <t< th=""><th>EG EG nistory2</th></t<>	EG EG nistory2
Glycol WC Method NEG NEG N WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 18 12 15 Chromium ppm ASTM D5185m >20 <1 0 <1 Nickel ppm ASTM D5185m >4 0 <1 <1 Titanium ppm ASTM D5185m <1 0 <1 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 2 2 3	EG nistory2
WEAR METALS method limit/base current history1 Iron ppm ASTM D5185m >100 18 12 15 Chromium ppm ASTM D5185m >20 <1 0 <1 Nickel ppm ASTM D5185m >4 0 <1 <1 Titanium ppm ASTM D5185m <1 0 <1 Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 2 2 3	nistory2
Iron ppm ASTM D5185m >100 18 12 15 Chromium ppm ASTM D5185m >20 <1	
Chromium ppm ASTM D5185m >20 <1	
Nickel ppm ASTM D5185m >4 0 <1)
Titanium ppm ASTM D5185m <1	
Silver ppm ASTM D5185m >3 0 0 0 Aluminum ppm ASTM D5185m >20 2 2 3	
Aluminum ppm ASTM D5185m >20 2 2 3	
10TH DE 10TH A 0	
Lead ppm ASTM D5185m >40 5	
Copper ppm ASTM D5185m >330 6 0 2	
Tin ppm ASTM D5185m >15 2 2 2	
Vanadium ppm ASTM D5185m <1 0	
Cadmium ppm ASTM D5185m <1	
ADDITIVES method limit/base current history1	nistory2
Boron ppm ASTM D5185m 52 37 43	}
Barium ppm ASTM D5185m 0 0 1	
Molybdenum ppm ASTM D5185m 47 42 48)
Manganese ppm ASTM D5185m <1 <1	
Magnesium ppm ASTM D5185m 527 522 49	13
Calcium ppm ASTM D5185m 1633 1660 17	705
P.P. S.)78
Zinc ppm ASTM D5185m 1288 1336 12	253
Sulfur ppm ASTM D5185m 3352 3762 32	233
CONTAMINANTS method limit/base current history1	nistory2
Silicon ppm ASTM D5185m >25 5 4 5	
Sodium ppm ASTM D5185m 5 4 2	
Potassium ppm ASTM D5185m >20 3 2 3	
INFRA-RED method limit/base current history1	nistory2
Soot %	6
Nitration Abs/cm *ASTM D7624 >20 10.9 10.4 10).2
Sulfation Abs/.1mm *ASTM D7415 >30 24.9 23.6 23	3.3
FLUID DEGRADATION method limit/base current history1	nistory2
Oxidation	0.8
Oxidation A03/.111111 A01/1017414 >25 25.0 21.5 20	

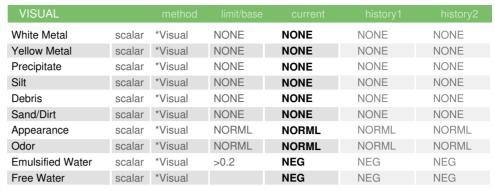


OIL ANALYSIS REPORT



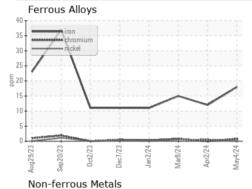


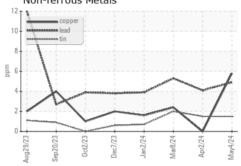


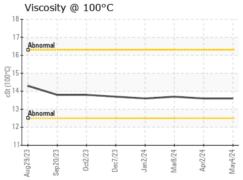


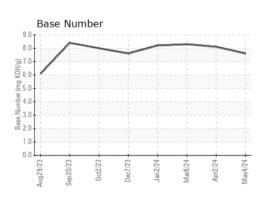
FLUID PROPER	RTIES	method			history2
Visc @ 100°C	cSt	ASTM D445	13.6	13.6	13.7

GRAPHS













Certificate 12367

Laboratory Sample No.

: WC0935449 Lab Number : 06174882 Unique Number : 11020935 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 May 2024 **Tested** : 10 May 2024

Diagnosed : 10 May 2024 - Wes Davis

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)

LIBERTY DISPOSAL

6401 S EASTERN AVE OKLAHOMA CITY, OK US 73149

Contact: M Rutherford M.Rutherford@ldi89.com T:

Report Id: SEAOKL [WUSCAR] 06174882 (Generated: 05/10/2024 16:56:35) Rev: 1

Contact/Location: M Rutherford - SEAOKL

F: