

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KENWORTH 3041

Diesel Engine Fluid DIESEL ENGINE OIL SAE 10W30 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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.

SAMPLE INFORMATION method limit/base current	nt history1 history2
Sample Number Client Info WC09068	52 WC0906894 WC0663173
Sample Date Client Info 20 May 20	24 05 Apr 2024 16 Oct 2023
Machine Age mls Client Info 270061	264570 231652
Oil Age mls Client Info 38409	231652 37268
Oil Changed Client Info Changed	Not Changd Changed
Sample Status NORMAL	NORMAL NORMAL
CONTAMINATION method limit/base curren	nt history1 history2
Fuel WC Method >5 <1.0	<1.0 <1.0
Water WC Method >0.2 NEG	NEG NEG
Glycol WC Method NEG	NEG NEG
WEAR METALS method limit/base curren	nt history1 history2
Iron ppm ASTM D5185m >100 22	21 27
Chromium ppm ASTM D5185m >20 1	<1 <1
Nickel ppm ASTM D5185m >4 0	0 <1
Titanium ppm ASTM D5185m <1	0 <1
Silver ppm ASTM D5185m >3 <1	0 0
Aluminum ppm ASTM D5185m >20 6	6 8
Lead ppm ASTM D5185m >40 <1	0 0
Copper ppm ASTM D5185m >330 4	7 8
Tin ppm ASTM D5185m >15 1	<1 1
Vanadium ppm ASTM D5185m <1	0 0
Cadmium ppm ASTM D5185m <1	0 0
ADDITIVES method limit/base curren	nt history1 history2
Boron ppm ASTM D5185m 250 21	
	22 20
Barium ppm ASTM Dation 230 21 Barium ppm ASTM D5185m 10 <1	22 20 0 0
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1
Barium ppm ASTM D5185m 10 <1	0 0 6 5
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9
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Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9 3 8 8 8 8 8 8 8
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9 3 8 8 8 8 8 1348 8 909 806 3663 2705
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9 3 8 8 8 8 8 0.5 0.8 10.6 11.1
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9 3 8 8 8 8 8 1348 8 909 806 3663 2705
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9 3 8 8 8 0.5 0.8 10.6 11.1 25.2 26.4
Barium ppm ASTM D5185m 10 <1	0 0 6 5 <1 <1 821 737 1459 1348 804 687 909 806 3663 2705 history1 history2 8 9 3 8 8 8 0.5 0.8 10.6 11.1 25.2 26.4



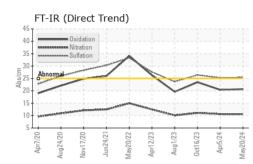
Base

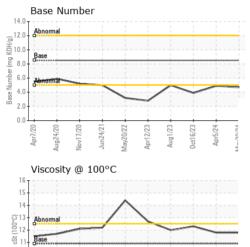
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OIL ANALYSIS REPORT



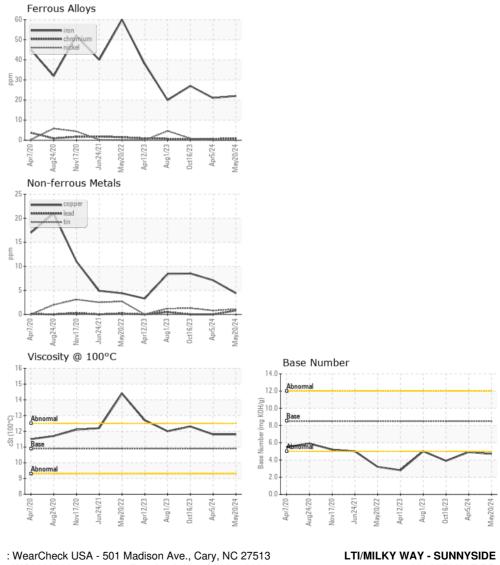


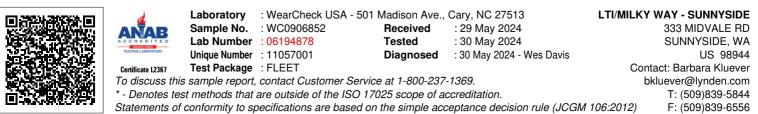
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.2	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	10.9	11.8	11.8	12.3
GRAPHS						





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Contact/Location: Barbara Kluever - LTISUN

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