

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id

FREIGHTLINER 1165

Component Diesel Engine

Fluid CHEVRON DELO 400 XLE 10W30 (40 LTR)

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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0733174	WC0733095	WC0733062
Sample Date		Client Info		18 Mar 2024	20 Jun 2023	31 Mar 2023
Machine Age	mls	Client Info		616975	560640	518250
Oil Age	mls	Client Info		40000	40000	40000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	current	history1	history2
Iron	ppm	ASTM D5185m	>65	32	25	28
Chromium	ppm	ASTM D5185m	>5	2	2	4
Nickel		ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m ASTM D5185m	>3 >5	0	<1	0
Silver	ppm	ASTM D5185m			0	0
Aluminum	ppm	ASTM D5185m	>2 >35	0 14	12	22
	ppm					
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>180	4	4	2
Tin	ppm	ASTM D5185m	>8	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		22	33	24
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		8	11	3
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		734	732	802
Calcium	ppm	ASTM D5185m	2900	1378	1450	1400
Phosphorus	ppm	ASTM D5185m	1100	742	751	734
Zinc	ppm	ASTM D5185m	1200	862	892	885
Sulfur	ppm	ASTM D5185m	4000	3330	3314	3618
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	6	5	7
Sodium	ppm	ASTM D5185m		2	0	3
Potassium	ppm	ASTM D5185m	>20	3	5	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.7	0.7
Nitration	Abs/cm	*ASTM D7624	>20	11.0	10.3	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.1	23.7	23.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.4	18.7	17.7
Base Number (BN)	mg KOH/g	ASTM D2896	10.3	4.06	5.67	6.97
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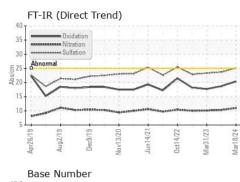
Laboratory

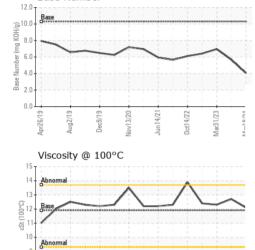
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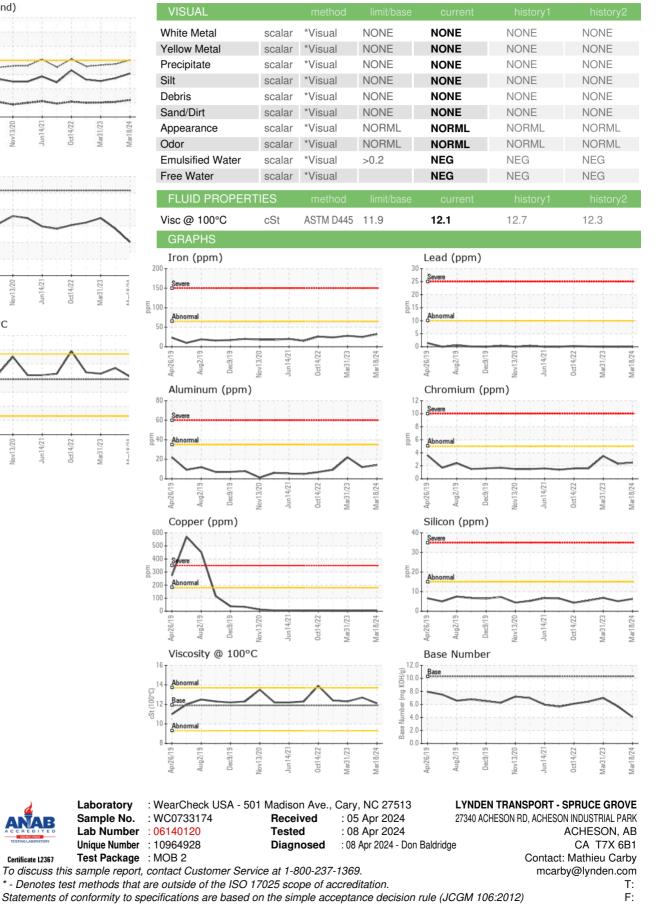




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Contact/Location: Mathieu Carby - LYNSPR

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