

OIL ANALYSIS REPORT

Sample Rating Trend

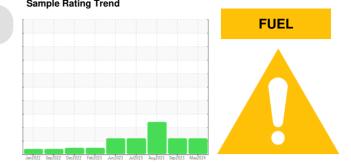
limit/base



Area KANSAS/44 53.160L [KANSAS^44] **Diesel Engine**

MOBIL DELVAC 1300 SUPER15W40 (3 GAL)

SAMPLE INFORMATION method



history1

history2

current

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Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

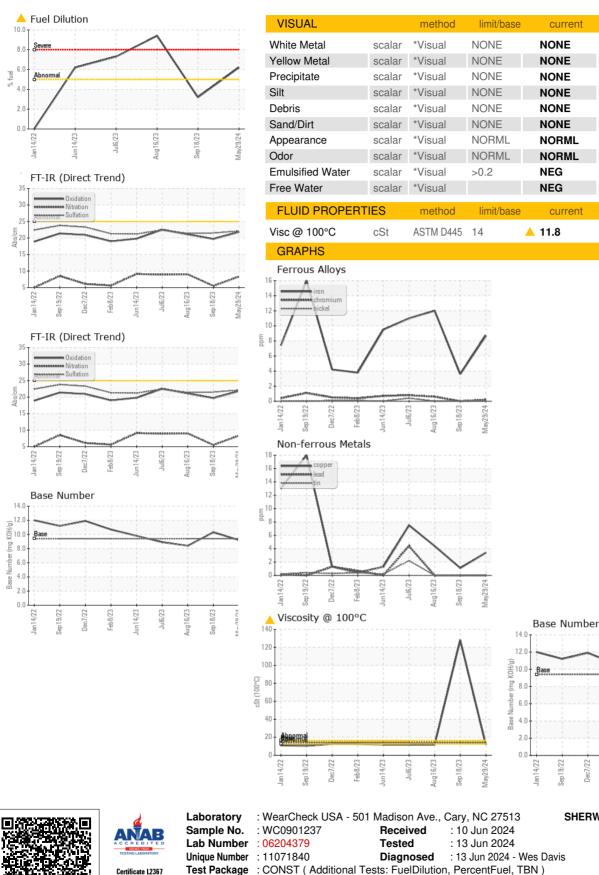
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sample Number Sample Date		Client Info Client Info		WC0901237 29 May 2024	WC0781268 18 Sep 2023	WC0821644 16 Aug 2023
Machine Age	hrs	Client Info		0	895	841
Oil Age	hrs	Client Info		0	841	403
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
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	>100	9	4	12
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	2
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	3	1	4
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	56	60	43
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	38	40	42
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	478	471	551
Calcium	ppm	ASTM D5185m		1590	1611	1806
Phosphorus	ppm	ASTM D5185m		756	747	812
Zinc	ppm	ASTM D5185m		893	912	984
Sulfur	ppm	ASTM D5185m		2749	2807	2843
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	6	6
Sodium	ppm	ASTM D5185m		1	1	5
Potassium	ppm	ASTM D5185m	>20	3	<1	0
Fuel	%	ASTM D3524	>5	<u> </u>	▲ 3.2	▲ 9.4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.3	5.5	9.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	21.5	21.4
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.8	19.7	21.1
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	9.2	10.3	8.4
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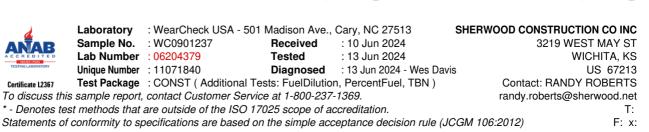


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To discuss this sample report, contact Customer Service at 1-800-237-1369.

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



Sep19/22 .

Feb8/73 Jun 14/23 ul6/23

CC/Da

history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history

NFG

NEG

128

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history2

NEG

NEG

▲ 11.7

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Submitted By: JAMES MOORE

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