

OIL ANALYSIS REPORT

Sample Rating Trend





Machine Id 2445 Component

Diesel Engine

CHEVRON DELO 400 SDE SAE 15W40 (--- 0

Recommendation

Resample at the next service interval to monitor.

Metal levels are typical for a new component breaking in.

Contamination

Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.

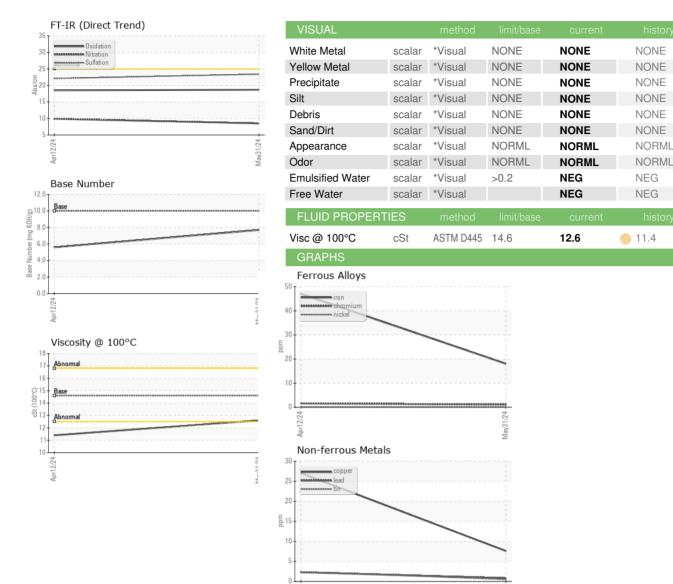
Fluid Condition

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

GAL)			Apr2024	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944463	WC0859261	
Sample Date		Client Info		31 May 2024	12 Apr 2024	
Machine Age	mls	Client Info		40891	21216	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATION	1	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	0.9	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	18	47	
Chromium	ppm	ASTM D5185m	>20	1	2	
Nickel	ppm	ASTM D5185m	>2	0	0	
Titanium	ppm	ASTM D5185m	>2	0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>20	33	46	
Lead	ppm	ASTM D5185m	>40	<1	2	
Copper	ppm	ASTM D5185m	>330	8	27	
Tin	ppm	ASTM D5185m	>15	<1	2	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		218	57	
Barium	ppm	ASTM D5185m		<1	6	
Molybdenum	ppm	ASTM D5185m		111	22	
Manganese	ppm	ASTM D5185m		1	6	
Magnesium	ppm	ASTM D5185m		646	856	
Calcium	ppm	ASTM D5185m		1562	1403	
Phosphorus	ppm	ASTM D5185m	760	734	816	
Zinc	ppm	ASTM D5185m	800	848	944	
Sulfur	ppm	ASTM D5185m	3000	2767	3399	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	13	4 0	
Sodium	ppm	ASTM D5185m		2	5	
Potassium	ppm	ASTM D5185m	>20	93	152	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.3	0.2	
Nitration	Abs/cm	*ASTM D7624	>20	8.5	9.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.4	22.1	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	18.5	
Base Number (BN)	mg KOH/g	ASTM D2896	10	7.7	5.6	



OIL ANALYSIS REPORT



Viscosity @ 100°C





Certificate 12367

Laboratory Sample No.

: WC0944463 Lab Number : 06198957 Unique Number : 11061080 Test Package : FLEET

16

cst (100°C)

10

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 04 Jun 2024

Tested : 05 Jun 2024 Diagnosed : 05 Jun 2024 - Wes Davis **Ergon Trucking Inc. - MAG601**

Base Number

12.

0.0

K0H/g

11337 State Route 800 Magnolia, OH US 44643

Contact: JASON JULIAN jason.julian@ergon.com T:

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

Report Id: ERGMAG601 [WUSCAR] 06198957 (Generated: 06/05/2024 07:19:02) Rev: 1

Submitted By: Eddy Smith

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