

# **OIL ANALYSIS REPORT**

#### Sample Rating Trend





## Component Diesel Engine Fluid CHEVRON DELO 400 SAE 10W30 (--- QTS

# DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

## Wear

All component wear rates are normal.

#### Contamination

Elevated aluminum (AI) 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

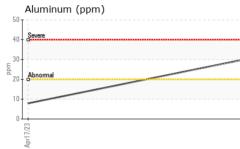
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

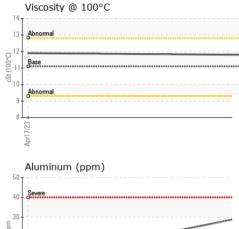
			Apr2023	Dec2023		
SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0088505	PCA0073376	
Sample Date		Client Info		20 Dec 2023	17 Apr 2023	
Machine Age	mls	Client Info		135002	66948	
Dil Age	mls	Client Info		30981	66948	
Dil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS	S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	43	64	
Chromium	ppm	ASTM D5185m	>20	2	1	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	30	8	
Lead	ppm	ASTM D5185m	>40	<1	2	
Copper	ppm	ASTM D5185m	>330	43	34	
Tin	ppm	ASTM D5185m	>15	<1	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	34	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		56	69	
Vanganese	ppm	ASTM D5185m		1	4	
Vagnesium	ppm	ASTM D5185m		896	465	
Calcium	ppm	ASTM D5185m		1098	2033	
Phosphorus	ppm	ASTM D5185m	1260	913	1116	
Zinc	ppm	ASTM D5185m	1400	1176	1411	
Sulfur	ppm	ASTM D5185m		2254	3509	
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	10	16	
Sodium	ppm	ASTM D5185m		3	6	
Potassium	ppm	ASTM D5185m	>20	57	21	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.5	1.1	
Nitration	Abs/cm	*ASTM D7624	>20	10.0	10.7	
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	23.8	
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.8	20.7	
Oxidation	/ 10/0/.1111111		200	15.0	20.1	

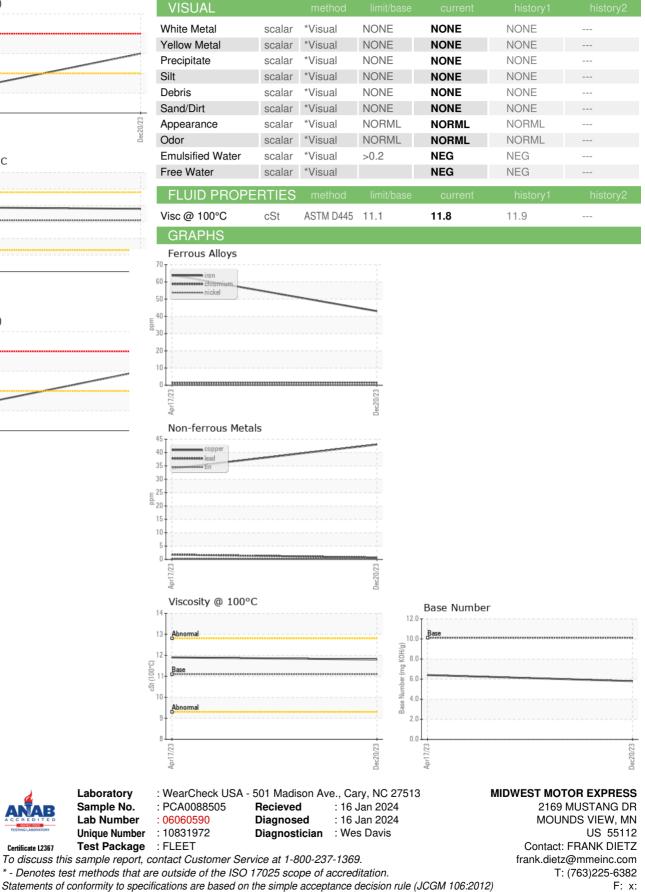


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Certificate L2367