

## **OIL ANALYSIS REPORT**



Machine Id

### 30 Component **Diesel Engine** Fluid DIESEL ENGINE OIL SAE 15W40 (--- QTS)

#### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### Wear

Metal levels are typical for a new component breaking in.

#### Contamination

Fuel content negligible. There is no indication of any contamination in the oil.

#### Fluid Condition

The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

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Sample Number		Client Info		WC0904761		
Sample Date		Client Info		26 Mar 2024		
Machine Age	mls	Client Info		4348		
Oil Age	mls	Client Info		0		
Oil Changed		Client Info		Not Changd		
Sample Status				ATTENTION		
oumpio otatao						
CONTAMINATION	۷	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	38		
Chromium	ppm	ASTM D5185m	>20	1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	14		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	79		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	58		
Barium	ppm	ASTM D5185m	10	6		
Molybdenum	ppm	ASTM D5185m	100	50		
Manganese	ppm	ASTM D5185m		5		
Magnesium	ppm	ASTM D5185m	450	843		
Calcium	ppm	ASTM D5185m	3000	1221		
Phosphorus	ppm	ASTM D5185m	1150	778		
Zinc	ppm	ASTM D5185m	1350	897		
Sulfur	ppm	ASTM D5185m	4250	2656		
CONTAMINANTS		mothod	limit/bass	ourropt	history	history?
CONTAMINANTS		method	IIIIII/Dase	current	TIIStOLA	nistoryz
Silicon	ppm	ASTM D5185m	>25	29		
Sodium	ppm	ASTM D5185m	>158	6		
Potassium	ppm	ASTM D5185m	>20	24		
Fuel	%	ASTM D3524	>5	1.7		
INFRA-RED		method	limit/base	current	historv1	historv2
Cant 0/	0/	*40714 07044	0			
SUOI %	%	ASTM D7844	>3	0.9		
Nitration	ADS/CM	ASTM D7624	>20	10.0		
Suitation	ADS/.1MM	ASTM D/415	>30	21.6		
FLUID DEGRADA	TION					
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.2		
Base Number (BN)	ma KOH/a	ASTM D2896	8.5	8.4		
	ing toning		0.0	0.7		



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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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel)

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Certificate 12367

Sample No.

Contact/Location: DEBRA MOORE - CASYANNC

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