

OIL ANALYSIS REPORT

Sample Rating Trend





Diesel Engine Fluid DIESEL ENGINE OIL SAE 40 (--- QTS)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

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

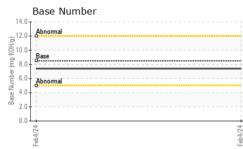
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

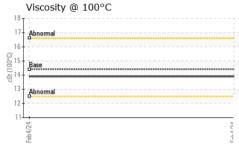
SAMPLE INFORM	mls mls	Client Info Client Info Client Info Client Info Method	limit/base	Current PCA0082946 04 Feb 2024 0 0 N/A	history1	history2
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	mls mls	Client Info Client Info Client Info Client Info Method	limit/base	current PCA0082946 04 Feb 2024 0 0		
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	mls mls	Client Info Client Info Client Info Client Info Method	limit/base	current PCA0082946 04 Feb 2024 0 0		
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	mls mls	Client Info Client Info Client Info Client Info Method		PCA0082946 04 Feb 2024 0 0		
Sample Date Machine Age Oil Age Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	mls	Client Info Client Info Client Info Client Info method		04 Feb 2024 0 0		
Machine Age Oil Age Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	mls	Client Info Client Info Client Info method		0		
Oil Age Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	mls	Client Info Client Info method		0		
Oil Changed Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS		Client Info method		-		
Sample Status CONTAMINATIO Fuel Water Glycol WEAR METALS	ON	method		N/A		
CONTAMINATIO Fuel Water Glycol WEAR METALS	ON					
Fuel Water Glycol WEAR METALS	ON			NORMAL		
Water Glycol WEAR METALS				current	history1	history2
Water Glycol WEAR METALS		WC Method	>5	<1.0		
Glycol WEAR METALS		WC Method	>0.2	NEG		
WEAR METALS		WC Method		NEG		
	·		1:	-		
1		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	16		
Chromium	ppm	ASTM D5185m		<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		9		
Lead	ppm	ASTM D5185m		<1		
Copper Tin	ppm	ASTM D5185m ASTM D5185m		1 <1		
Vanadium	ppm ppm	ASTM D5185m	>10	<1		
Cadmium	ppm	ASTM D5185m		0		
	ppin			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	0		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	57		
Manganese	ppm	ASTM D5185m	450	<1		
Magnesium	ppm	ASTM D5185m	450	997		
Calcium	ppm	ASTM D5185m ASTM D5185m	1150	1074		
Phosphorus Zinc	ppm ppm	ASTM D5185m	1350	1099 1251		
	ppm	ASTM D5185m	4250	2759		
CONTAMINANT		method	limit/base		history1	history?
				current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8		
Sodium Potassium	ppm	ASTM D5185m ASTM D5185m	>216	1 19		
	ppm		-			
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.3		
Nitration	Abs/cm	*ASTM D7624	>20	9.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	17.1		
	mg KOH/g	ASTM D2896	8.5			

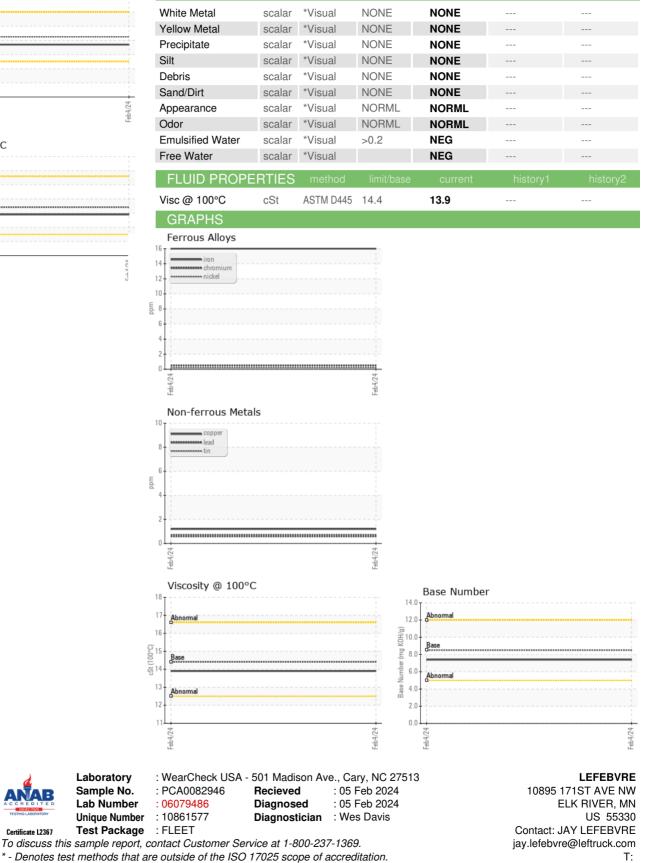


OIL ANALYSIS REPORT

VISUAL







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

Certificate L2367

ñ

Contact/Location: JAY LEFEBVRE - LEFELK

F: