

OIL ANALYSIS REPORT

Base Number (BN) mg KOH/g ASTM D2896 8.5

Sample Rating Trend

GLYCOL

Machine Id

1995 KME FIRE 2337

Diesel Engine Fluid **DIESEL ENGINE OIL SAE 15W40 (40 QTS)**

DIAGNOSIS

Recommendation

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Test for glycol is positive. There is a high concentration of glycol present in the oil.

Fluid Condition

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

		ct2011 Jun20		May2020 Jan2022 0ct2022	Sen 2073	
					0002020	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		BW0004749	RW0004800	RW0004784
Sample Number		Client Info		25 Apr 2024	26 Dec 2023	27 Sen 2023
Machine Age	hrs	Client Info		6988	6601	6394
Oil Age	hrs	Client Info		397	207	282
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	ATTENTION	ABNORMAL
		and the set	1		late to most	la la la mu
CONTAMINATION	N	method	limit/base	current	nistory i	nistory2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	maa	ASTM D5185m	>200	16	7	14
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m	>2	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>30	4	2	3
Lead	ppm	ASTM D5185m	>30	<1	<1	0
Copper	ppm	ASTM D5185m	>30	<1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	6	29	5
Barium	ppm	ASTM D5185m	10	<1	0	0
Molybdenum	ppm	ASTM D5185m	100	107	61	94
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	876	781	920
Calcium	ppm	ASTM D5185m	3000	1053	1127	1043
Phosphorus	ppm	ASTM D5185m	1150	923	743	999
Zinc	ppm	ASTM D5185m	1350	1162	885	1220
Sulfur	ppm	ASTM D5185m	4250	3567	2336	2996
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	maa	ASTM D5185m	>30	9	15	5
Sodium	mag	ASTM D5185m	>158	407	0 102	▲ 382
Potassium	ppm	ASTM D5185m	>20	1 38	6	4
Glycol	%	*ASTM D2982		4 0.10	NEG	NEG
INERA-RED		method	limit/base	current	historv1	history2
Soot %	0/		 2 	0.7	0.4	0.6
Nitration	/o Abs/cm	*ASTM D7624	>0	11.0	10.8	11.2
Sulfation	Abs/ 1mm	*ASTM D7024	>30	23.2	20.8	22.4
Cunation	rug/.111111	A01W D/410	/00	20.2	20.0	<i>LL</i> .T
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.1	19.8	18.7

9.46

8.95

8.55



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Contact/Location: JERRY BROCK - CITFARMI

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