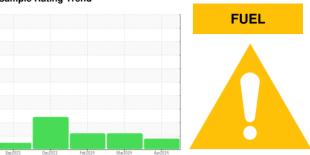


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KENWORTH 426142-SW4619

Diesel Engine

MOBIL DELVAC ELITE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

All component wear rates are normal.

Contamination

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

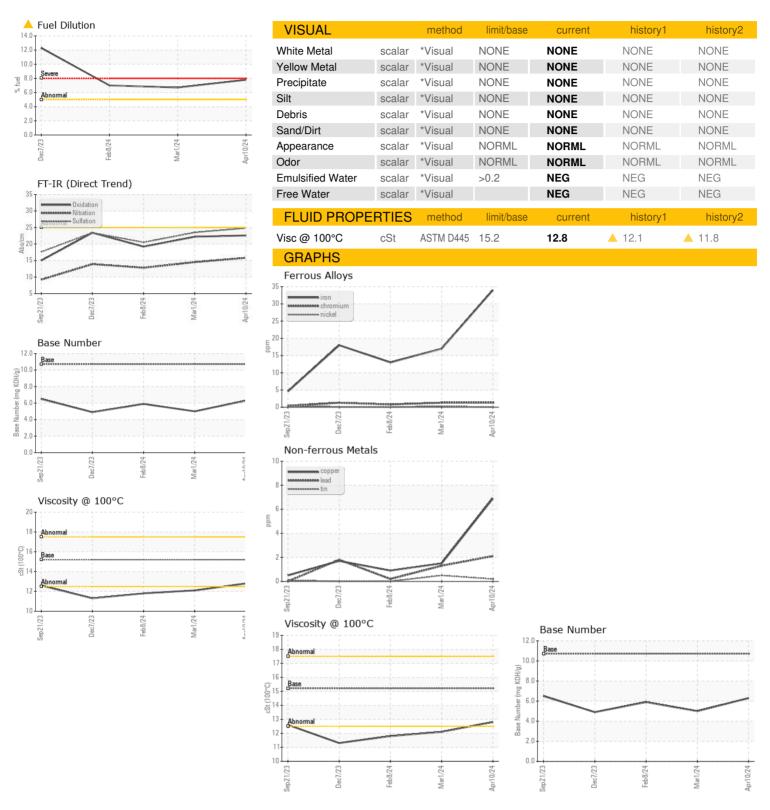
Fluid Condition

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.

		Sep 2023	Dec2023	Feb 2024 Mar 2024	Apr2024	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0111296	GFL0095463	GFL0111337
Sample Date		Client Info		10 Apr 2024	01 Mar 2024	08 Feb 2024
Machine Age	hrs	Client Info		16375	16064	16375
Oil Age	hrs	Client Info		16375	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	34	17	13
Chromium	ppm	ASTM D5185m	>20	1	1	<1
Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	7	7	4
Lead	ppm	ASTM D5185m	>40	2	1	<1
Copper	ppm	ASTM D5185m	>330	7	2	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		43	48	57
Barium	ppm	ASTM D5185m		0	1	1
Molybdenum	ppm	ASTM D5185m		122	131	113
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		645	646	630
Calcium	ppm	ASTM D5185m		1203	1243	1218
Phosphorus	ppm	ASTM D5185m		736	712	698
Zinc	ppm	ASTM D5185m		809	831	790
Sulfur	ppm	ASTM D5185m		3475	3202	3013
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	8	6
Sodium	ppm	ASTM D5185m		9	1	6
Potassium	ppm	ASTM D5185m	>20	4	8	2
Fuel	%	ASTM D3524	>5	△ 7.8	△ 6.7	▲ 7.0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1.5	0.9	0.6
Nitration	Abs/cm	*ASTM D7624	>20	15.8	14.5	12.8
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.8	23.5	20.5
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	22.2	19.2
Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.3	5.0	5.9
	9					



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Laboratory

Lab Number : 06231211 Unique Number : 11114704

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0111296

Received : 09 Jul 2024 **Tested** Diagnosed

: 11 Jul 2024

: 11 Jul 2024 - Wes Davis Test Package : FLEET (Additional Tests: PercentFuel)

1000 S Business Park Dr Port Arthur, TX US 77640 Contact: MICHAEL KAY

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.

T: (336)660-9331

GFL Environmental - 981 - Port Arthur Hauling

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: GFL981 [WUSCAR] 06231211 (Generated: 07/11/2024 09:09:23) Rev: 1

mkay@gflenv.com