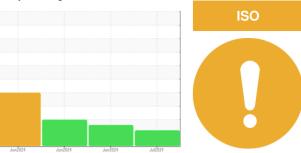


OIL ANALYSIS REPORT



Machine Id FP60 Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

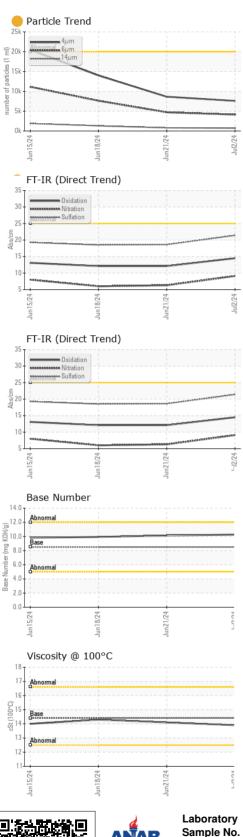
Fluid Condition

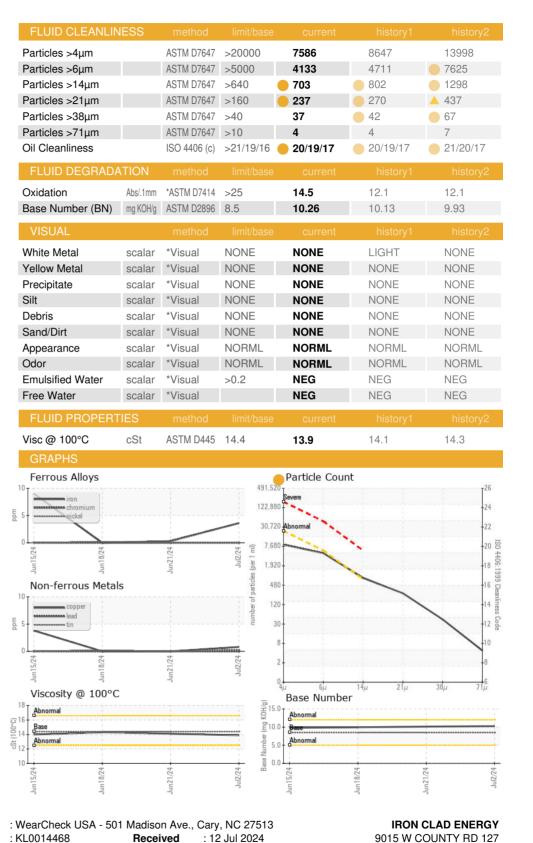
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KL0014468	KL0014467	KL0014466
Sample Date		Client Info		02 Jul 2024	21 Jun 2024	18 Jun 2024
Machine Age	hrs	Client Info		12212	11952	11879
Oil Age	hrs	Client Info		374	114	40
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ATTENTION	ATTENTION	ABNORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4	<1	0
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	<1	<1
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	<1	0	0
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	76	83	86
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	450	729	715	733
Calcium	ppm	ASTM D5185m	3000	1470	1378	1411
Phosphorus	ppm	ASTM D5185m	1150	1136	1068	1089
Zinc	ppm	ASTM D5185m	1350	1333	1201	1251
Sulfur	ppm	ASTM D5185m	4250	5518	5109	5266
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	4
Sodium	ppm	ASTM D5185m	>216	<1	2	2
Potassium	ppm	ASTM D5185m	>20	2	2	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.1
Nitration	Abs/cm	*ASTM D7624		9.1	6.3	6.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.4	18.6	18.5



OIL ANALYSIS REPORT







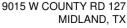
Test Package : MOB 2 (Additional Tests: PrtCount) To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Contact/Location: TREVOR FRENETTE - IROMID Report Id: IROMID [WUSCAR] 06235120 (Generated: 07/15/2024 15:52:12) Rev: 1

: 06235120

Lab Number

Certificate 12367

Unique Number : 11123954



US 79706 Contact: TREVOR FRENETTE

T: F:

Tested

Diagnosed

: 15 Jul 2024

: 15 Jul 2024 - Sean Felton

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