

OIL ANALYSIS REPORT

Sample Rating Trend









DIAGNOSIS SAMPLE INFORI

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

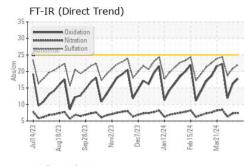
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

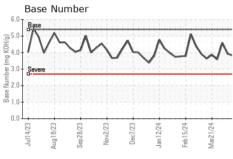
5 ENGINE OIL 40 (J., (_,					
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0865744	WC0865686	WC0865720
Sample Date		Client Info		18 Apr 2024	11 Apr 2024	04 Apr 2024
Machine Age	hrs	Client Info		115626	115463	115295
Oil Age	hrs	Client Info		498	335	167
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>14	<1	1	0
Chromium	ppm	ASTM D5185m	>3	<1	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	\5	2	1	<1
Lead	ppm	ASTM D5185m	>8	2	<1	<1
Copper		ASTM D5185m		0	<1	0
Tin	ppm	ASTM D5185m	>3	3	<1	1
Vanadium	ppm		>3	0		0
Cadmium	ppm	ASTM D5185m		-	<1	
	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base		history1	history2
Boron	ppm	ASTM D5185m		4	2	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		5	5	4
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		29	22	30
Calcium	ppm	ASTM D5185m		1956	1906	1836
Phosphorus	ppm	ASTM D5185m		308	257	273
Zinc	ppm	ASTM D5185m		366	300	343
Sulfur	ppm	ASTM D5185m		2529	2088	1700
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>180	168	121	75
Sodium	ppm	ASTM D5185m	>20	2	2	1
Potassium	ppm	ASTM D5185m	>20	0	0	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0
Nitration	Abs/cm	*ASTM D7624		7.4	7.3	6.3
Sulfation	Abs/.1mm	*ASTM D7415		22.0	20.9	18.8
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		17.8	16.2	11.9
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.62	1.46	0.68
Base Number (BN)	mg KOH/g	ASTM D2896	5.4	3.81	3.93	4.59

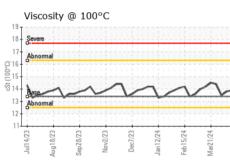


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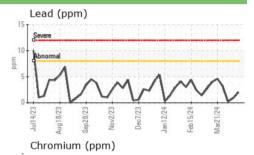


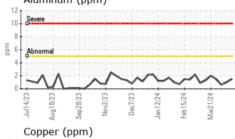


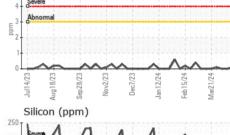
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual		NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

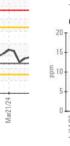
FLUID PROPER	HES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	13.4	13.9	13.8	13.5

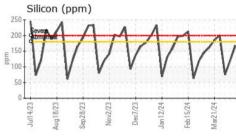
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0 14/23	18/23	28/23	v2/23	c7/23	12/24	15/24	1724	
Jul14/23	minur	Sep28/23	Nov2/23	Dec7/23	Jan12/24	Feb15/24	Mar21/24	

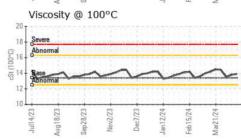


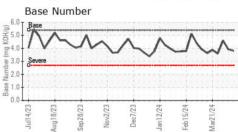
















Certificate 12367

Laboratory Sample No. Lab Number : 06157085 Unique Number : 10992508

Test Package : MOB 2

: WC0865744

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

Diagnosed

: 22 Apr 2024 : 23 Apr 2024 : 25 Apr 2024 - Jonathan Hester

EDL NA Recips-South Jordan South Jordan Powerstation, 10473 S. Bacchus Hwy. South Jordan, UT

US 84095 Contact: Aaron Klein aaron.klein@edlenergy.com

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)

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