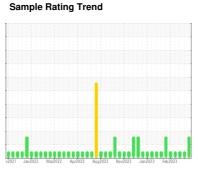


OIL ANALYSIS REPORT







DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter 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

Elemental level of silicon (Si) above normal.

Fluid Condition

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

LA S3 N 40 (GAL)						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0770244	WC0770223	WC0770159
Sample Date		Client Info		07 Apr 2023	30 Mar 2023	22 Mar 2023
Machine Age	hrs	Client Info		37826	75785	37688
Oil Age	hrs	Client Info		528	19	390
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>15	7	1	6
Chromium	ppm	ASTM D5185m	>4	0	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	<1	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>6	<1	2	3
Lead	ppm	ASTM D5185m	>9	<1	0	<1
Copper	ppm	ASTM D5185m	>6	1	<1	1
Tin	ppm	ASTM D5185m	>4	4	<1	3
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		3	4	4
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	5	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		17	22	17
Calcium	ppm	ASTM D5185m		1732	1346	1611
Phosphorus	ppm	ASTM D5185m		350	299	324
Zinc	ppm	ASTM D5185m		449	351	429
Sulfur	ppm	ASTM D5185m		3269	3191	2915
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>181	<u>▲</u> 182	22	149
Sodium	ppm	ASTM D5185m		0	2	0
Potassium	ppm	ASTM D5185m	>20	2	<1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.7	3.3	5.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	16.6	23.2
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.9	10.1	16.7
Acid Number (AN)	mg KOH/g	ASTM D8045		1.28	0.62	1.23
	mg KOH/g	ASTM D2896	5	4.09	4.88	3.73
Base Number (BN)	ilig Kori/g	710 1111 02000		4.00	1.00	0.70



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

Unique Number

Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 11 Apr 2023

: WC0770244 Received : 05816651 Diagnosed : 13 Apr 2023 : 10419443 Diagnostician

: Angela Borella

EDL NA Recips-Morgantown Morgantown Powerstation, 950 Shiloh Morgantown, PA

US 19543 Contact: ARON GUNN

aron.gunn@edlenergy.com T:

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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