

OIL ANALYSIS REPORT

Area OIL GB-6150 (S/N WELL CLEAN UP PUMP) Component

Gearbox Fluic

MOBIL MOBILGEAR 632 (18 GAL)

Recommendation

Resample at the next service interval to monitor.

Wear

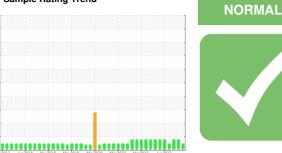
All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.





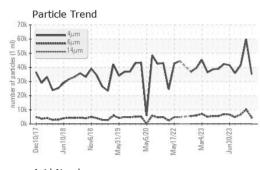
Sample Rating Trend

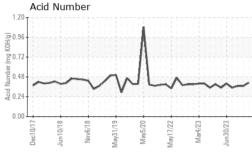
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		HLC0003139	HLC0002334	HLC0002874
Sample Date		Client Info		07 Jan 2024	05 Dec 2023	10 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ATTENTION
CONTAMINATION	J	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5	6	5
Chromium	ppm	ASTM D5185m	>15	0	<1	0
Nickel	ppm	ASTM D5185m	>15	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	1	0
Lead	ppm	ASTM D5185m	>100	0	0	0
Copper	ppm	ASTM D5185m	>200	0	<1	<1
Tin	ppm	ASTM D5185m	>25	0	0	0
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		824	752	816
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m		0	2	0
Calcium	ppm	ASTM D5185m		67	76	73
Phosphorus	ppm	ASTM D5185m		297	286	277
Zinc	ppm	ASTM D5185m		28	22	38
Sulfur	ppm	ASTM D5185m		7585	7657	7034
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	2	3	3
Sodium	ppm	ASTM D5185m		472	450	477
Potassium	ppm	ASTM D5185m	>20	14	16	16
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		35067	59798	41425
Particles >6µm		ASTM D7647	>5000	4562	▲ 10250	▲ 6637
Particles >14µm		ASTM D7647	>640	101	182	159
Particles >21µm		ASTM D7647	>160	11	14	18
Particles >38µm		ASTM D7647	>40	1	0	1
Particles >71µm		ASTM D7647	>10	0	0	1
Oil Cleanliness		ISO 4406 (c)	>/19/16	22/19/14	▲ 23/21/15	▲ 23/20/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.41	0.37	0.37
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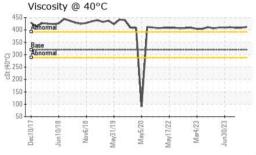
Contact/Location: INDIGO MERRITT - BPENOR

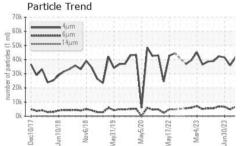


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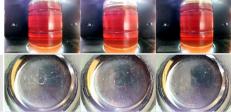






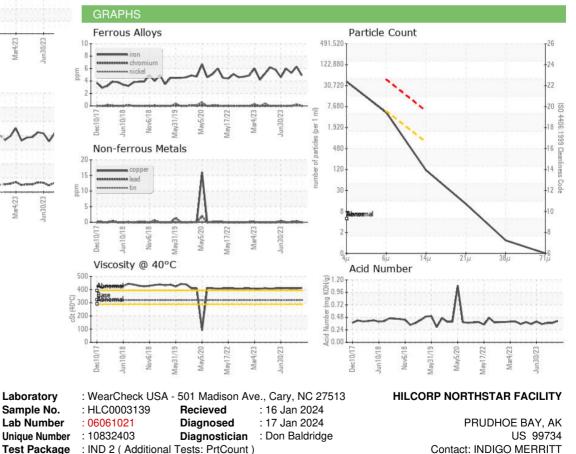


VISUAL		method	limit/base	current	history1	history2
VISUAL		methou	iiiiii/base	Current	TIISTOLA I	TIIStOF y2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES method limit/base current history1 history2						
1 LOID I HOI LH		method	11111/0430	current	mistory	matoryz
Visc @ 40°C	cSt	ASTM D445	320	412	409	408
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
						and the second second



Bottom

Color





 Certificate L2367
 Test Package
 : IND 2 (Additional Tests: PrtCount)

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - 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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