

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Gearbox

Fluid 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 oil.

Fluid Condition

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

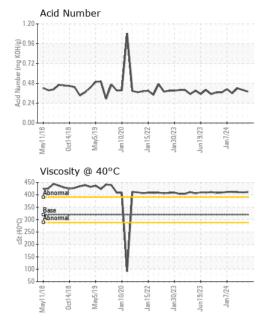
		192010 Oct20	0 Way2013 Jan2020	Janzozz Janzozs Junzozs	Janzuzit		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		HLC0003291	HLC0003193	HLC0003223	
Sample Date		Client Info		02 May 2024	01 Apr 2024	04 Mar 2024	
Machine Age	hrs	Client Info		0	0	0	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		N/A	N/A	N/A	
Sample Status				NORMAL	ATTENTION	NORMAL	
CONTAMINATIO	N	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	6	6	6	
Chromium	ppm	ASTM D5185m	>15	<1	<1	<1	
Nickel	ppm	ASTM D5185m	>15	0	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	<1	
Silver	ppm	ASTM D5185m		<1	<1	0	
Aluminum	ppm	ASTM D5185m	>25	<1	1	2	
Lead	ppm	ASTM D5185m	>100	<1	1	<1	
Copper	ppm	ASTM D5185m	>200	<1	<1	<1	
Tin	ppm	ASTM D5185m	>25	0	1	<1	
Vanadium	ppm	ASTM D5185m		<1	<1	<1	
Cadmium	ppm	ASTM D5185m		0	1	<1	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		992	968	1007	
Barium	ppm	ASTM D5185m		0	1	0	
Molybdenum	ppm	ASTM D5185m		0	1	<1	
Manganese	ppm	ASTM D5185m		0	<1	<1	
Magnesium	ppm	ASTM D5185m		0	2	2	
Calcium	ppm	ASTM D5185m		78	84	79	
Phosphorus	ppm	ASTM D5185m		343	315	280	
Zinc	ppm	ASTM D5185m		24	39	34	
Sulfur	ppm	ASTM D5185m		10566	8535	7648	
CONTAMINANTS	6	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>50	4	3	3	
Sodium	ppm	ASTM D5185m		506	532	486	
Potassium	ppm	ASTM D5185m	>20	17	18	17	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647			39077		
Particles >6µm		ASTM D7647	>5000		6041		
Particles >14µm		ASTM D7647	>640		168		
Particles >21µm		ASTM D7647	>160		18		
Particles >38µm		ASTM D7647	>40		1		
Particles >71µm		ASTM D7647	>10		0		
Oil Cleanliness		ISO 4406 (c)	>/19/16		22/20/15		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.38	0.40	0.42	
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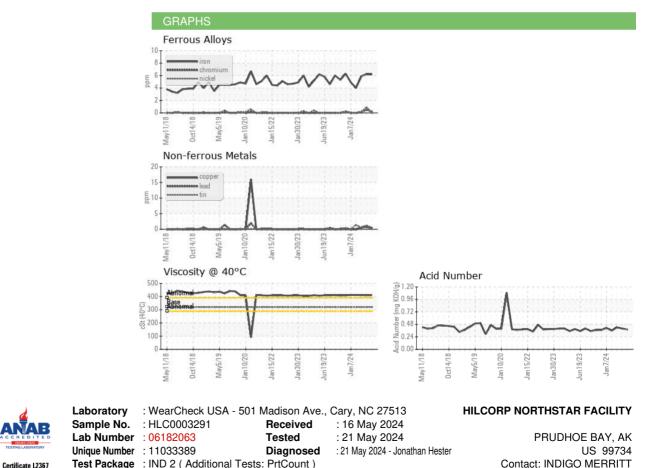
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	320	411	410	411
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color						
Bottom						



Centificate 12367 Test Package : IND 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)

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