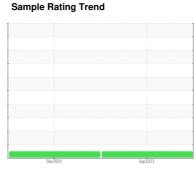


OIL ANALYSIS REPORT

ODT







Machine Id
M-221
Component
Gearbox

MOBIL SHC 632 (--- GAL)

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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

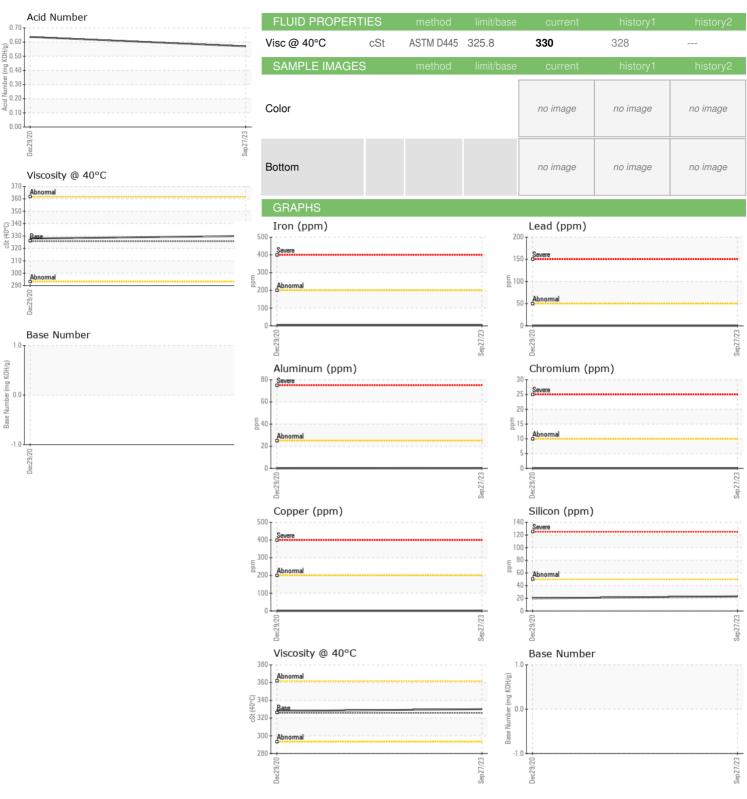
Fluid Condition

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

			Dec2020	Sep2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0747964	WC0453559	
Sample Date		Client Info		27 Sep 2023	29 Dec 2020	
Machine Age	hrs	Client Info		85663	61000	
Oil Age	hrs	Client Info		20000	8000	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	5	3	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	<1	
Aluminum	ppm	ASTM D5185m	>25	<1	0	
Lead	ppm	ASTM D5185m	>50	0	0	
Copper	ppm	ASTM D5185m	>200	0	0	
Tin	ppm	ASTM D5185m	>10	0	0	
Antimony	ppm	ASTM D5185m	>5		0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	4	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m		1	0	
Calcium	ppm	ASTM D5185m		<1	0	
Phosphorus	ppm	ASTM D5185m		503	458	
Zinc	ppm	ASTM D5185m		0	0	
Sulfur	ppm	ASTM D5185m		73	73	
CONTAMINANTS		method	limit/base	current	history1	history2
		ASTM D5185m				
Silicon	ppm	7101111 20100111	>50	23	20	
Sodium	ppm	ASTM D5185m	00	0	0	
Potassium	ppm	ASTM D5185m	>20	0	0	histom (O
FLUID DEGRADA Acid Number (AN)	mg KOH/g	method ASTM D8045	limit/base	current 0.57	history1 0.636	history2
VISUAL	ilig itoriyg	method	limit/base	current	history1	history2
	ooclar				NONE	
White Metal Yellow Metal	scalar	*Visual	NONE	NONE		
	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor Emulaified Water	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	FOXKBBAKR
Free Water	scalar	*Visual		NEG	LUCANIDO G. ENIC	UA-NDDANK



OIL ANALYSIS REPORT





Laboratory Sample No. Lab Number Unique Number

: 05966484 : 10673035

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0747964 Received : 02 Oct 2023 : 04 Oct 2023 Diagnosed Diagnostician : Jonathan Hester

Test Package : MOB 2 (Additional Tests: TBN)

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. ericf@kbbioenergy.com;jwatson@wearcheckusa.com T: (330)864-2621

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: ERIC FOX - KBBAKR

AKRON, OH

US 44313

KB BIOENERGY INC

2677 RIVERVIEW RD

Contact: ERIC FOX

F: (330)864-7023