

## **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id 010-M-065 Component Gearbox Fluid {not provided} (--- GAL)

### DIAGNOSIS

#### Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

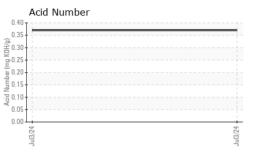
#### Fluid Condition

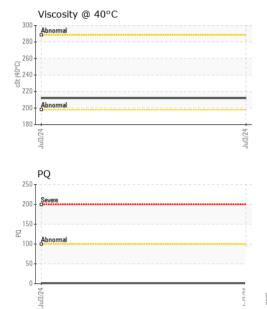
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0962288		
Sample Date		Client Info		03 Jul 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		1		
Iron	ppm	ASTM D5185(m)	>200	23		
Chromium	ppm	ASTM D5185(m)	>15	<1		
Nickel	ppm	ASTM D5185(m)	>15	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>100	0		
Copper	ppm	ASTM D5185(m)	>200	<1		
Tin	ppm	ASTM D5185(m)	>25	0		
Antimony	ppm	ASTM D5185(m)	>5	0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		14		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		3		
Calcium	ppm	ASTM D5185(m)		1002		
Phosphorus	ppm	ASTM D5185(m)		296		
Zinc	ppm	ASTM D5185(m)		6		
Sulfur	ppm	ASTM D5185(m)		11491		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<1		
Sodium	ppm	ASTM D5185(m)		2		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.37		



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	VLITE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history
Visc @ 40°C	cSt	ASTM D7279(m)		212		
SAMPLE IMAGES	;	method	limit/base	current	history1	history
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Ferrous Alloys				PQ		
25 20			220	Saura		
sessesses chromium			200	) - Severe		
E 15 10			180	)		
5			160	D <b>-</b>		
0			140	D		
Jul3/24			4Z/Eln	,		
			ੇ ਟ 100	Abnormal		
Non-ferrous Metals	5					
copper			80			
			60	] +		
4			40	•		
2						
0 24 0			24			
Jul3/24			Jul3/24	Jul3/24		
Viscosity @ 40°C				Acid Number		
280 Abnormal			Ş <sup>0.40</sup>	]		
			9.30 D	D		
⊖ 260 - € 240 -			(0,4( HQ) 0.3( b) 10 (0,1) 10			
220 - Abnormal						
180			Acid	, L		
Jul3/24			Jul3/24 .	Jul3/24 -		
, п Г			Ju	٦r		
: WearCheck - C8-1175 : WC0962288 • : 02645626 • : 5803165	Appleby Recei Teste Diagr	ived : 04	ngton, ON L7I 4 Jul 2024 5 Jul 2024 5 Jul 2024 - W		333 Pr	rest Paper I ogress Aver arborough, CA M1P 2

Test Package : IND 2 ( Additional Tests: TAN Man ) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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CALA

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