

OIL ANALYSIS REPORT

Area TC02 TC02 Bottom 6 Inch Component Gearbox Fluic

TRIBOL GEAROIL 1100/320 (17 GAL)

DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as TRIBOL GEAROIL 1100/320, however, a fluid match indicates that this fluid is ISO 320 Gear Oil. Please confirm the oil type and grade on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

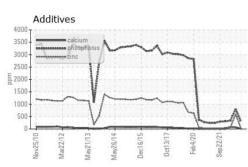
Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

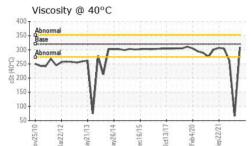


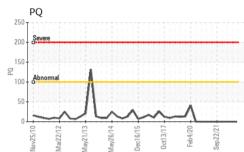
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0841285	WC22128061	WC0754410
Sample Date		Client Info		25 Aug 2023	25 Apr 2023	05 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>200	44	40	44
Chromium	ppm	ASTM D5185(m)	>15	<1	<1	0
Nickel	ppm	ASTM D5185(m)	>15	0	2	0
Titanium	ppm	ASTM D5185(m)		0	<1	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	2	9	2
Lead	ppm	ASTM D5185(m)	>100	<1	19	1
Copper	ppm	ASTM D5185(m)	>200	2	1 34	4
Tin	ppm	ASTM D5185(m)	>25	0	<1	0
Antimony	ppm	ASTM D5185(m)	>5	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	<1	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	2
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		13	0	36
Manganese	ppm	ASTM D5185(m)		1	<1	1
Magnesium	ppm	ASTM D5185(m)		1	23	2
Calcium	ppm	ASTM D5185(m)		11	69	85
Phosphorus	ppm	ASTM D5185(m)		289	803	338
Zinc	ppm	ASTM D5185(m)		37	587	65
Sulfur	ppm	ASTM D5185(m)		8586	2415	7968
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
				current	history1	history2
CONTAMINANTS		method	limit/base	current	motory	
CONTAMINANTS Silicon	ppm	method ASTM D5185(m)	>50	3	16	4
	ppm ppm				,	
Silicon		ASTM D5185(m)		3	16	4
Silicon Sodium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>50	3 <1	16 3	4

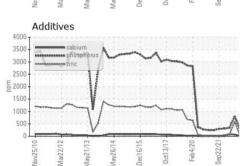


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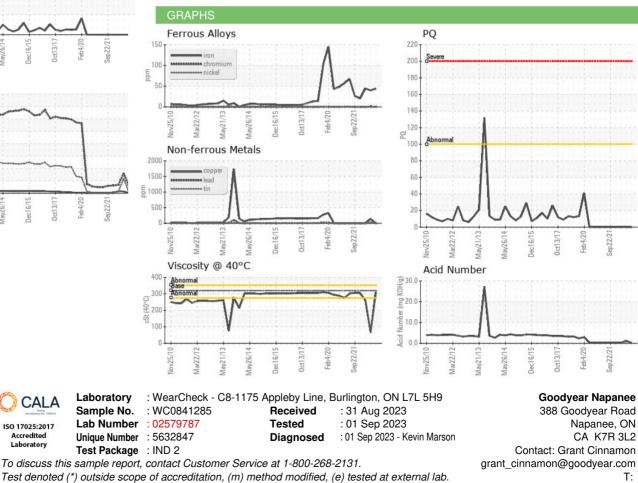








VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	🔺 HAZY
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 D7279(m)	320	309	66.2	2 61
SAMPLE IMAGES	3	method	limit/base	current	history1	history2
Color						
Bottom						



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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Accredited Laboratory

F: (613)354-9377