

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 704 ROTATOR CARDIFF Component Gearbox

Fluid MOBIL SHC 626 (--- GAL)

Recommendation

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 component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

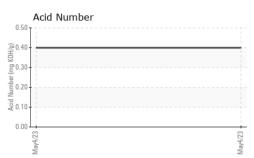
Fluid Condition

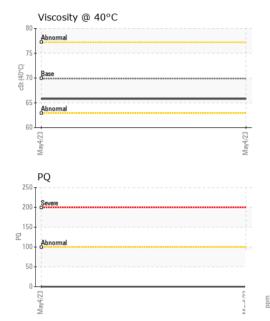
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sample Date Client Info 04 May 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info N/A Sample Status Client Info N/A CONTAMINATION method imit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method imit/base current history1 history2 PQ ASTM D5185(m >10 0 Mickel ppm ASTM D5185(m >10 0 Nickel ppm ASTM D5185(m 20 0 Sliver ppm ASTM D5185(m >20 Copper ppm ASTM D5185(m >20 Auminum ppm ASTM D5185(m							
SAMPLE INFORMATION method limit/base current history1 history2 Sample Date Client Info 04 May 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Imit/base current history1 history2 CONTAMINATION method imit/base current history1 history2 Water WC Method >0.2 NEG VEAR METALS method imit/base current history1 history2 PQ ASTM D5185(m) >200 49 Nickel ppm ASTM D5185(m) >10 0 Nickel ppm ASTM D5185(m) >200 6 Aluminum ppm ASTM D5185(m) >50 1 Aluminum p							
Sample Number Client Info CB0030080 Sample Date Client Info 0 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A CONTAMINATION method imit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method imit/base current history1 history2 PQ ASTM D5185(m) >10 0 Iron ppm ASTM D5185(m) >10 c1 Nickel ppm ASTM D5185(m) >20 6 Aluminum ppm ASTM D5185(m) >25 0 Copper ppm ASTM D5185(m)			<u>k</u>		May2023		
Sample Date Client Info 04 May 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A CONTAMINATION method imit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method imit/base current history1 history2 PQ ASTM D5185(m) >10 0 Iron ppm ASTM D5185(m) 0 Nickel ppm ASTM D5185(m) >20 Aluminum ppm ASTM D5185(m) 50 1 Copper ppm ASTM D5185(m) >50 1 Antimony ppm ASTM D5185(m) 0	SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
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Oil Age hrs Client Info 0 Oil Changed Client Info N/A Sample Status Imit/base current history1 history2 Water WC Method >0.2 NEG WEAR METALS method limit/base current history1 history2 PQ ASTM D8184' 0 Chromium ppm ASTM D5185(m)<>200 49 Nickel ppm ASTM D5185(m)<>10 0 Nickel ppm ASTM D5185(m) >10 Aluminum ppm ASTM D5185(m) >20 6 Lead ppm ASTM D5185(m) >20 6 Antimony ppm ASTM D5185(m) 0 Antimony ppm ASTM D5185(m) 0	Sample Date		Client Info		04 May 2023		
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Barium ppm ASTM D5185(m) 0 Molybdenum ppm ASTM D5185(m) 0 Manganese ppm ASTM D5185(m) 0 Magnesium ppm ASTM D5185(m) <1 Calcium ppm ASTM D5185(m) <1 Calcium ppm ASTM D5185(m) 1 Calcium ppm ASTM D5185(m) 802 Zinc ppm ASTM D5185(m) 800 Sulfur ppm ASTM D5185(m) 671 Sulfur ppm ASTM D5185(m) 2 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >50 12 Sodium ppm ASTM D5185(m)	ADDITIVES		method	limit/base	current	history1	history2
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Magnesium ppm ASTM D5185(m) <1	Molybdenum	ppm	. /		0		
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Silicon ppm ASTM D5185(m) >50 12 Sodium ppm ASTM D5185(m) <1			ASTM D5185(m)		2		
Sodium ppm ASTM D5185(m) <1	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185(m) >20 <1	Silicon	ppm	ASTM D5185(m)	>50	12		
FLUID DEGRADATION method limit/base current history1 history2	Sodium	ppm	ASTM D5185(m)		<1		
	Potassium	ppm	ASTM D5185(m)	>20	<1		
Acid Number (AN) mg KOH/g ASTM D974* 0.40	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D974*		0.40		



OIL ANALYSIS REPORT





VISUAL		method				history
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	LIGHT		
Debris	scalar	Visual*	NONE	VLITE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.2	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history
Visc @ 40°C	cSt	ASTM D7279(m)	69.9	65.8		
SAMPLE IMAG	ES	method	limit/base	current	history1	history
Color					no image	no image
Bottom					no image	no image
GRAPHS			_			1
Ferrous Alloys				PQ		
50			220	T		
40 - chromium			200	Severe		
E 20			180			
			160			
10						
0 -			140 ECZ/łs-Ale W D			
2			like 120			
May4/23			Z d			
Non-ferrous Me	tals		⊠ 2 100	Abnormal		
Non-ferrous Me	tals			Abnormal		
Non-ferrous Me	tals		100	Abnormal		
Non-ferrous Me	tals		100 80 60	-		
Non-ferrous Me	tals		100 80 60 40	-		
Non-ferrous Me	tals		100 80 60	-		
Non-ferrous Me	tals		100 80 60 40			
Non-ferrous Me	tals		100 80 60 40			
Non-ferrous Me			100 80 60 40 20 <u>C77</u> Fer	-		
Non-ferrous Me			100 80 60 40 20 <u>C77</u> Fer	1274/123		
Non-ferrous Me			100 80 60 40 20 <u>C77</u> Fer	1274/123		
Non-ferrous Me			100 80 60 40 20 <u>C77</u> Fer	1274/123		
Non-ferrous Me			100 80 60 40 20 <u>C77</u> Fer	1274/123		
Non-ferrous Me			100 80 60 40 20 <u>C77</u> Fer	1274/123		
Non-ferrous Me			100 80 60 40	1274/123		

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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