

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id 24-KC-1 TROLLEY GEAR 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.

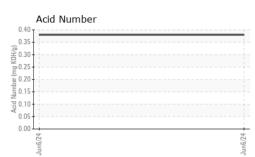
Fluid Condition

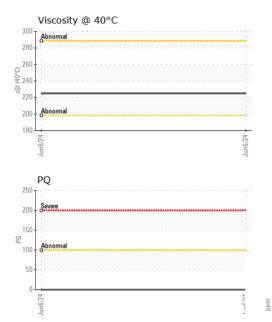
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		L.		Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0933443		
Sample Date		Client Info		06 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>200	7		
Chromium	ppm	ASTM D5185(m)	>15	0		
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	67		
Copper	ppm	ASTM D5185(m)	>200	5		
Tin	ppm	ASTM D5185(m)	>25	<1		
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)		2		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		<1		
Calcium	ppm	ASTM D5185(m)		5		
Phosphorus	ppm	ASTM D5185(m)		277		
Zinc	ppm	ASTM D5185(m)		9		
Sulfur	ppm	ASTM D5185(m)		7646		
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)		<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.38		



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	VISUAL		method	limit/base	current	history1	history
	White Metal	scalar	Visual*	NONE	NONE		
	Yellow Metal	scalar	Visual*	NONE	NONE		
	Precipitate	scalar	Visual*	NONE	NONE		
	Silt	scalar	Visual*	NONE	NONE		
	Debris	scalar	Visual*	NONE	VLITE		
	Sand/Dirt	scalar		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 PROPER	TIES	method	limit/base	current	history1	history
	Visc @ 40°C	cSt	ASTM D7279(m)		225		
	SAMPLE IMAGE	S	method	limit/base	current	history1	history
	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						1
	Ferrous Alloys			22	PQ		
	8- iron			20	Sminn		
	E 6+ nickel						
				18			
	2			16	0		
	2 ⁴ _0			14	0		
	Jun6,24			+z/gun∫ 12	0		
	Non-ferrous Meta	als		가 문 10	0 - Abnormal		
	⁸⁰ T			8	0		
	60 - copper			6	0		
	5.40 tin			4			
	20 -						
				2			
	Jun6/24			Jun6/24	Jun6/24		
	^弓 Viscosity @ 40°C			٦٢	ے Acid Number		
	300 Abnormal			₅ 0.4			
_	280			HOX 0.3	0-		
- (40°C	260 240 220			ຍັ 0.2	0		
CS1				(0,44 (0,HQ) 0.31 (0,HQ) 0.01 (0,HQ) 0.01 (0,0) (0,0) (0,0)	0		
	200 Abnormal			- Voi	0		
				Jun6/24	Jun6/24		
	Jun6/24			<u></u>			

Test Package : IND 2 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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Contact/Location: Andy Kozachanko - INCOCCSMR