

OIL ANALYSIS REPORT



Machine Id SCP212 Component Unknown Component Fluid GEAR OIL SAE 85W140 (--- 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. We advise that you check for visible metal particles in the sample. The sample change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 85W140. Please confirm. Please provide more complete information on your next sample.

🔺 Wear

Moderate concentration of visible metal present. Abnormal wear is indicated.

Contamination

There is no indication of any contamination in the sample.

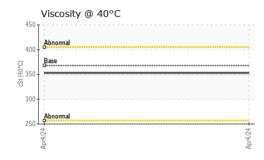
Fluid Condition

The sample is no longer serviceable as a result of the abnormal and/or severe wear.

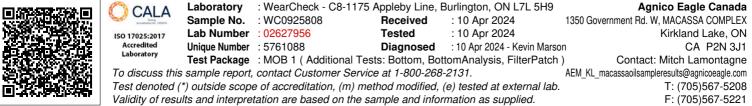
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0925808		
Sample Date		Client Info		04 Apr 2024		
Machine Age	hrs	Client Info		7606		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)		167		
Chromium	ppm	ASTM D5185(m)		0		
Nickel	ppm	ASTM D5185(m)		<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)		0		
Lead	ppm	ASTM D5185(m)		0		
Copper	ppm	ASTM D5185(m)		1		
Tin	ppm	ASTM D5185(m)		0		
Antimony	ppm	ASTM D5185(m)		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)	400	175		
Barium	ppm	ASTM D5185(m)	200	0		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)	12	1		
Calcium	ppm	ASTM D5185(m)	150	9		
Phosphorus	ppm	ASTM D5185(m)	1650	995		
Zinc	ppm	ASTM D5185(m)	125	14		
Sulfur	ppm	ASTM D5185(m)	22500	24298		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		3		
Sodium	ppm	ASTM D5185(m)		<1		
Potassium	ppm	ASTM D5185(m)	>20	1		



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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE			
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	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*		NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	368	353		
SAMPLE IMAGES	5	method	limit/base	current	history1	history2
Color					no image	no image
				(S)		
Bottom					no image	no image
PrtFilter					no image	no image
GRAPHS				Lead (ppm)		
Iron (ppm)						
			Mdd	0 -		
				-1		
A.pr.4/24			Apr4/24	Apr4/24		
Aluminum (ppm)				Chromium (pp	om)	
]			udd	0		
1				.1		
Apr4/2			Apr4/2	Apr4/2		
Copper (ppm)				Silicon (ppm)		
2			- ud	4		
Apr4/24			Apr4/24	Apr4/24		
Viscosity @ 40°C				Additives		
Abgermal			200	calcium		
Abnormal				0		
24			Apr4/24	Apr4/24		
Apr4/						



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