

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id SL09 Component Front Left Planetary Fluid SAE 75W140 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. 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 condition of the oil is acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0952394		
Sample Date		Client Info		17 Jun 2024		
Machine Age	hrs	Client Info		9989		
Oil Age	hrs	Client Info		500		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATION	I	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	378		
Chromium	ppm	ASTM D5185(m)	>10	3		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		<1		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	9		
Lead	ppm	ASTM D5185(m)	>25	0		
Copper	ppm	ASTM D5185(m)	>75	<1		
Tin	ppm	ASTM D5185(m)	>10	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)		116		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		3		
Magnesium	ppm	ASTM D5185(m)		7		
Calcium	ppm	ASTM D5185(m)		18		
Phosphorus	ppm	ASTM D5185(m)		1226		
Zinc	ppm	ASTM D5185(m)		39		
Sulfur	ppm	ASTM D5185(m)		18795		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	32		
Sodium	ppm	ASTM D5185(m)		3		
Potassium	ppm	ASTM D5185(m)	>20	3		



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	VISUAL		method	limit/base	current	history1	history2
	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	Visual*	NONE	NONE		
17/24	Appearance	scalar	Visual*	NORML	NORML		
Jun	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	history2
	Visc @ 40°C	cSt	ASTM D7279(m)	190	160		
	SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Jun17/24	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	2000 Severe			150	Severe		
	튭 1000 - Abnormal			E ¹⁰⁰) + 0		
				OU	Abnormal		
	n17/24			n17/24	n17/24		n17/24
	⊰ Aluminum (ppm)			Ϋ́	⊰ Chromium (p	om)	٦
	100 Severe			30	Severe		
	E 50		E 20	Abnormal			
	7/24 .			7/24	7/24		7/24 -
	Jun1			Jun1	Junl		Jun1
	Copper (ppm)				Silicon (ppm)		
	200 Severe		300	Severe			
	E 100 - Abnormal			E 100	Abnormal		
	o L				,L 		
	11/24			17/24	17/24		17/24
	7			ηη	in C		Jun
	Viscosity @ 40°C			1500	Additives		
				E 1000	calcium		
	st 150 - Abnormal			[≞] 500) - zinc	•	
	100			24 +			24
	//lunf			Jun17/	Jun17/		Jun17/
Laboratory Sample No. Lab Number Unique Number Test Package	: WearCheck - C8-117 : WC0952394 : 02643812 : 5801351 : MOB 1	5 Appleb Rece Teste Diagr	y Line, Burlin ived : 24 ed : 24 nosed : 24	gton, ON L7I Jun 2024 Jun 2024 Jun 2024 - W	_ 5H9 1350 Gov /es Davis	Agnico ernment Rd. W, MA Kirl Contact: Mit	Eagle Canada CASSA COMPLEX kland Lake, ON CA P2N 3J1

 To discuss this sample report, contact Customer Service at 1-800-268-2131.
 AEM_KL_macassat

 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

ISO 17025:2017 Accredited Laboratory

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