

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 092879 Component Swing Drive

GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

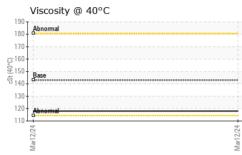
Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0890789		
Sample Date		Client Info		12 Mar 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	1	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)	>400	205		
Chromium	ppm	ASTM D5185(m)	>10	5		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	4		
Lead	ppm	ASTM D5185(m)	>50	3		
Copper	ppm	ASTM D5185(m)	>200	138		
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)	400	2		
Barium	ppm	ASTM D5185(m)	200	2		
Molybdenum	ppm	ASTM D5185(m)	12	0		
Manganese	ppm	ASTM D5185(m)		10		
Magnesium	ppm	ASTM D5185(m)	12	8		
Calcium	ppm	ASTM D5185(m)	150	41		
Phosphorus	ppm	ASTM D5185(m)	1650	643		
Zinc	ppm	ASTM D5185(m)	125	187		
Sulfur	ppm	ASTM D5185(m)	22500	13111		
Lithium	ppm	ASTM D5185(m)		1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	14		
Sodium	ppm	ASTM D5185(m)	>170	2		
Potassium	ppm	ASTM D5185(m)	>20	2		



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С		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	NONE				
		Sand/Dirt	scalar	Visual*	NONE	NONE				
	Mar12/24	Appearance	scalar	Visual*	NORML	NORML				
	Ma	Odor	scalar	Visual*	NORML	NORML				
		Emulsified Water	scalar	Visual*	>0.2	NEG				
		Free Water	scalar	Visual*		NEG				
		FLUID PROPER		method	limit/base	current	history1	history2		
		Visc @ 40°C	cSt	ASTM D7279(m)	143	118				
		SAMPLE IMAGE	S	method	limit/base	current	history1	history2		
		Color					no image	no image		
		Bottom					no image	no image		
		GRAPHS								
		Iron (ppm)			200	Lead (ppm)				
		Severe				Severe				
		8. 500 - Abnormal			톱 100	Abnormal				
		0				*		4		
		Mar1 2/24			Mar12/24	Mar12/24		Mar12/24		
		—								
		Aluminum (ppm)			Chromium (ppm)					
		E 50 - Abnormal	Severe							
		Abnormal	Abnormal			Abnormal				
		24 0 24			24			24 +		
		Mar1 2/24			Mar12/24	Mar12/24		Mar12/24		
			Copper (ppm)			≥ Silicon (ppm)		2		
		600 T				Severe				
		Abnormal								
		200			E 100 E 50	-				
		Mar12/24			Mar12/24	Mar12/24		Mar12/24		
		Mar			Mar	Mar		Mar		
		Viscosity @ 40°C			1000	Additives				
						calcium				
		् 94 150 - Base ठेंडे			톱 500	zinc				
		100				4		4		
		ar12/2			ar12/2	ar12/2		Mar12/24		
		M			N	ž		M		
	Laboratory	: WearCheck - C8-117	5 Appleb			5H9	C.G	. EQUIPMENT		
Koneditation No. 1008219	Sample No.	: WC0890789	Rece	ived : 18	3 Mar 2024		7367 Wellingtor			
ISO 17025:2017 Accredited						es Davis				
Laboratory	Test Package		Diagi		, LUL4 - W		act: CG Equipm			
Test denoted	s sample report (*) outside scop	t, contact Customer Serv be of accreditation, (m) m etation are based on the	nethod m	odified, (e) te	ested at exteri	nal lab.	cory@cge T:	equipment.com (519)826-0550 (519)837-2055		
Accredited Laboratory To discuss this Test denoted	Sample No. Lab Number Unique Number Test Package s sample report (*) outside scop	: WC0890789 : 02622783 : 5747902 : MOB 1 t, contact Customer Serv te of accreditation, (m) n	Rece Teste Diagi vice at 1-8	ived : 18 ed : 18 nosed : 18 800-268-213 odified, (e) te	3 Mar 2024 3 Mar 2024 3 Mar 2024 - W 1. ested at extern	es Davis Conta nal lab.	7367 Wellingtor act: CG Equipm cory@cgu T:	EQUIPMEN Rd. 30, Unit <i>J</i> Guelph, Of CA NOM 2T ent CG Guelp equipment.cor (519)826-055		

Contact/Location: CG Equipment CG Guelph - CGEGUE