

OIL ANALYSIS REPORT

Sample Rating Trend





G.LOPES CONSTRUCTION INC./Off-Road

Component Rear Differential

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

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 INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0122684		
Sample Date		Client Info		17 Apr 2024		
Machine Age	hrs	Client Info		34603		
Oil Age	hrs	Client Info		34603		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	159		
Chromium	ppm	ASTM D5185m	>3	1		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>2	1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>30	9		
Lead	ppm	ASTM D5185m	>13	3		
Copper	ppm	ASTM D5185m	>103	66		
Tin	ppm	ASTM D5185m	>5	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		6		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		12		
Calcium	ppm	ASTM D5185m		3515		
Phosphorus	ppm	ASTM D5185m		1042		
Zinc	ppm	ASTM D5185m		1162		
Sulfur	ppm	ASTM D5185m		9073		
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	24		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.36		



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VISUAL



	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		
Apr17/24	Appearance	scalar	*Visual	NORML	NORML		
Aprl	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>.2	NEG		
		scalar		>.∠			
	Free Water	scalar	*Visual		NEG		
	FLUID PROP	FRTIES	method	limit/base	current	history1	history2
				innibacco		motory	motory
	Visc @ 40°C	cSt	ASTM D445		167		
	SAMPLE IMA	CES	method	limit/base	current	history1	history2
	SAIVIFLE IIVIA	IGES	methou	iiiiii/base	current	TIIStOLA	TISIOT y2
-							
	Color				no imore	no imago	no imogo
Apr17/24	Color				no image	no image	no image
Ap							
	Bottom				no image	no image	no image
	GRAPHS						
	Iron (ppm)				Lead (ppm)		
	1000 Severe			3			
	7			е ²			
	E 500 - Abnormal	*********		² ط 1	Abnormal		
	0				0		
	Apr17/24			Apr17/24	Apr17/24		And 7.04
	Apr1			Apr1	Apr1		Anrl
	Aluminum (ppm))			Chromium (p) mu	
	60 T Severe	,		1			
	E 40 Abnormal			E	Severe		
	E 40 Abnormal			Mdd	Abnormal		
	0				0		
	Apr17/24			Apr17/24	Apr17/24		174
	Aprl			Aprl	Apr1		Anr17/24
	Copper (ppm)				Silicon (ppm)		
	200 T Severe			20	⁰ T Severe		
	E 100- Abnormal				T		
					Abnormal		
	E 100 - Abnormal			<u>a</u> 10	0 - Abnormal		
	ā 100			<u>특</u> 10	0		
					0		+7/7
	4001724 			Apr17/24	0 + Abnormal		Anri 7724
	Apr17/24			Apr17/24 +	Apr17/24		And 7/24
		2		Apr17/24 +	0		Anri 1774
	Viscosity @ 40°C	2		Apr17/24 +	Apr17/24		Ant17/24
	Viscosity @ 40°C	2		Apr17/24 +	Acid Number		And 7774
	Viscosity @ 40°C	2		Apr17/24 +	Acid Number		4CT1and
	Viscosity @ 40°C	2		Apri7/24	Acid Number		
	Viscosity @ 40°C	2		Apr17/24 +	Acid Number		
Laboratory Sample No. Lab Number Unique Number Test Package discuss this sample report	 WearCheck USA - 5 PCA0122684 06154614 10990037 MOB 2 	i01 Madisor Recei Tester Diagn	ved : 19 d : 22 losed : 23	, NC 27513 Apr 2024 Apr 2024 - Dor	Acid Number	565 V - Contact: BUT	NSTRUCTION WINTHROP ST FAUNTON, MA US 02780 CH MCGRATH b@dlopes.com
Sample No. Lab Number Unique Number Test Package discuss this sample report	Viscosity @ 40°C	i01 Madison Receir Tester Diagn	ved : 19 d : 22 losed : 23 00-237-1369	, NC 27513 Apr 2024 Apr 2024 - Dor 2.	Acid Number	565 V - Contact: BUT	INSTRUCTION WINTHROP ST TAUNTON, MA US 02780 CH MCGRATH h@glopes.con
Sample No. Lab Number Unique Number Test Package	WearCheck USA - 5 : WearCheck USA - 5 : PCA0122684 : 10990037 : MOB 2 t, contact Customer Sei t are outside of the ISO	i01 Madison Receir Tester Diagn rvice at 1-80 17025 scoj	ved : 19 d : 22 losed : 23 00-237-1369 pe of accred	, NC 27513 Apr 2024 Apr 2024 - Dor <i>Builland</i>	Acid Number	565 \ Contact: BUT bmcgrat	INSTRUCTION WINTHROP S TAUNTON, M/ US 02780 CH MCGRATH