

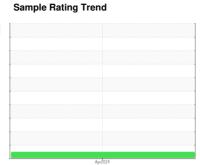
OIL ANALYSIS REPORT



G.LOPES CONSTRUCTION INC./Off-Road

L33 Front Left Final Drive

{not provided} (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

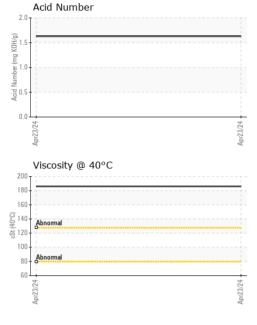
Fluid Condition

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

-)		1		Apr2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0122609		
Sample Date		Client Info		23 Apr 2024		
Machine Age	hrs	Client Info		11001		
Oil Age	hrs	Client Info		11001		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METAL	.S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	130		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>15	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>75	3		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	18		
Tin	ppm	ASTM D5185m	>8	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m		20		
Calcium	ppm	ASTM D5185m		2845		
Phosphorus	ppm	ASTM D5185m		1018		
Zinc	ppm	ASTM D5185m		1205		
Sulfur	ppm	ASTM D5185m		6463		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	6		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.63		



OIL ANALYSIS REPORT



	VISUAL		method	limit/base	current	history1	history2
٧	Vhite Metal	scalar	*Visual	NONE	NONE		
Υ	ellow Metal	scalar	*Visual	NONE	NONE		
F	Precipitate	scalar	*Visual	NONE	NONE		
S	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
S	Sand/Dirt	scalar	*Visual	NONE	NONE		
A	Appearance	scalar	*Visual	NORML	NORML		
C	Odor	scalar	*Visual	NORML	NORML		
	mulsified Water	scalar	*Visual	>0.2	NEG		
F	ree Water	scalar	*Visual		NEG		
	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
٧	/isc @ 40°C	cSt	ASTM D445		186		
	SAMPLE IMAG	ES	method	limit/base	current	history1	history2
C	Color				no image	no image	no image
E	Bottom				no image	no image	no image
	GRAPHS						
	G1 17 11 1 1 1 0						
2000	Iron (ppm)			2	Lead (ppm)		
2000	Iron (ppm)			3	O T Severe		
	Iron (ppm)			3 E 2	Severe		
	Iron (ppm) Severe			E 2	Severe 0 Abnormal		4-
트 1000 ·	Iron (ppm)	•••••		E 2	O Abnormal		Apr23/24
[1000 · 0 ·	Severe Abnormal Aluminum (ppm)			Apr23/24	Chromium (pp	om)	Apr23/24
E 1000 - 0 - 200 -	Severe Abnormal 17288844 Aluminum (ppm)			Apr23/24	Chromium (pr	om)	Apr23/24
[1000 · 0 ·	Severe Abnormal 17288844 Aluminum (ppm)			Apr23/24	Chromium (pr	om)	
0. 200- Ed 1000	Severe Abnormal 17288844 Aluminum (ppm)			Apr23/24	Chromium (pp. Abnomal	om)	Apr23/24
변 1000 · 0 · 200 · 분 100 · 0 ·	Abnomal Abnomal Abnomal Abnomal Accepted Abnomal Accepted Abnomal Accepted Copper (ppm)			Apr23/24 Apr23/24 ppm	Chromium (pp. Abnomal Severe Abnomal Silicon (ppm)	om)	
200- E 1000- 0- 200- 200-	Aluminum (ppm) Severe Aluminum (ppm) Severe Abnormal Abnormal Copper (ppm)			Apr23/24 Apr23/24 100 100 100 100 100 100 100 100 100 10	Chromium (pp. Abnomal Severe Abnomal Silicon (ppm)	om)	
변 1000 · 0 · 200 · 분 100 · 0 ·	Abnomal Abnomal Abnomal Abnomal Accepted Abnomal Accepted Abnomal Accepted Copper (ppm)			Apr23/24 Apr23/24 ppm	Chromium (pp. 4 Abnormal Chromium (pp. 4 Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal Silicon (ppm)	om)	
통 1000 · 200 · 통 100 · 0 ·	Iron (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal			4 Apr23/24 A	Chromium (pp. 42000) Silicon (ppm)	om)	Apr23.24
통 1000 · 200 · 통 100 · 0 ·	Iron (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal			4 Apr23/24 A	Chromium (pp. 42000) Silicon (ppm)	om)	Apr23.24
2000- Ed. 1000- 0-	Abnomal Abnomal Abnomal Abnomal Accepted Accepted			Apr23/24 Apr23/24 Apr23/24 Ppm ppm ppm 50	Chromium (pr	om)	
200 · Ed. 1000 · O · O · O · O · O · O · O · O · O	Iron (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Average (ppm) Severe Abnormal Viscosity @ 40°C			Apr23/24 Apr23/24 Apr23/24 Ppm ppm ppm 50	Chromium (pr	om)	Apr23.24
200 · Ed. 1000 · O · O · O · O · O · O · O · O · O	Abnomal			Apr23/24 Apr23/24 Apr23/24 Ppm ppm ppm 50	Chromium (pr	om)	Apr23.24
2000- Ed. 1000- 0-	Iron (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Abnormal Viscosity @ 40°C Abnormal Abnormal			Mqq 1 1 4 Apr23/24 Apr23/24 Apr23/24 Apr23/24 100 mqq 1 1 20	Chromium (pr	om)	Apr.23.24
2000- 2000- 2000- 2000- 2000- (\$200-550 1	Abnomal			4 Apr23/24 A	Chromium (pr	om)	Apr23.24





Certificate 12367

Laboratory

Test Package : MOB 2

Sample No. : PCA0122609 Lab Number : 06161664 Unique Number : 10997087

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Apr 2024 Tested : 29 Apr 2024

: 29 Apr 2024 - Don Baldridge Diagnosed

G LOPES CONSTRUCTION

565 WINTHROP ST TAUNTON, MA US 02780

Contact: BUTCH MCGRATH bmcgrath@glopes.com

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: GLOTAU [WUSCAR] 06161664 (Generated: 04/29/2024 14:37:13) Rev: 1

Submitted By: MATT MANOLI

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