

OIL ANALYSIS REPORT

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GLOPES CONSTRUCTION INC./Off-Road
L336
Component
Front Left Final Drive
Fluid
{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.

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.

L)				Jun2024		
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0122984		
Sample Date		Client Info		18 Jun 2024		
Machine Age	hrs	Client Info		9919		
Oil Age	hrs	Client Info		9919		
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	78		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>15	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>75	2		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>75	11		
Tin	ppm	ASTM D5185m	>8	<1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		22		
Calcium	ppm	ASTM D5185m		2782		
Phosphorus	ppm	ASTM D5185m		1043		
Zinc	ppm	ASTM D5185m		1214		
Sulfur	ppm	ASTM D5185m		6080		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	4		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	3		
FLUID DEGRAI	DATION	method	limit/base	current	history1	history2
	1/011/	4 OTH 4 DOC 15		4.00		

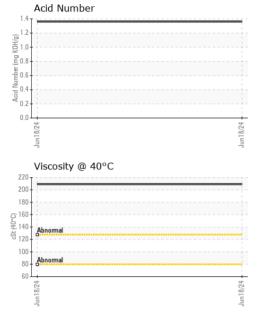
1.36

Acid Number (AN)

mg KOH/g ASTM D8045



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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	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		209		
SAMPLE IMAG	SES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Iron (ppm)				Lead (ppm)		
2000 Severe			3	OT Severe		
Severe				OT Severe		
Severe Abnormal			<u></u> € 1	Severe 0 Abnormal		
Severe Abnormal			<u></u> € 1	Severe 0 Abnormal		18/24
Severe Abnormal			<u></u>	Severe Adnormal		Jun18/24
Abnormal Abnormal Aluminum (ppm)			Jun18/24	Abnormal Abnormal Chromium (p	pm)	Jun18/24
Abnomal Aluminum (ppm)			42/81mp	Abnormal Chromium (p	pm)	Jun18/24
Abnomal Aluminum (ppm)			Jun18/24	Abnormal Chromium (p	pm)	Jun18/24
Aluminum (ppm) Severe Abnormal Abnormal Abnormal			47/81mn 3 2 mqq 1	Abnormal Chromium (p	pm)	
Aluminum (ppm) Severe Abnormal Abnormal Abnormal			47/81mn 3 2 mqq 1	Abnormal Chromium (p	pm)	
Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal			4781mn	Chromium (p		Jun18/24
Aluminum (ppm) Severe Abnormal Abnormal Abnormal			47/81mn 3 2 mqq 1	Chromium (p		
Abnormal Abnormal Abnormal Abnormal Abnormal Copper (ppm)			4781ml 4781ml 4781ml 4781ml 4781ml 4781ml	Chromium (p Severe Abnormal Chromium (p Silicon (ppm)		
Aluminum (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal			22 mdd 1 1 4781unr 100 mdd 50	Chromium (p		Jun18/24
Abnormal Abnormal Abnormal Abnormal Abnormal Copper (ppm)			42/81nul 42/	Chromium (p Abnormal Chromium (p Abnormal Silicon (ppm)		
Aluminum (ppm) Severe Abnormal O Abnormal O Abnormal O Abnormal O Abnormal O O Abnormal O O O Abnormal O O O Abnormal O O O O O O O O O O O O O			42/81mul 42/81m	Chromium (p Severe Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal		Jun18/24
Aluminum (ppm) Abnormal Copper (ppm) Severe Abnormal Abnormal Viscosity @ 40°C			42/81mul 42/81m	Chromium (p Severe Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal		Jun18/24
Aluminum (ppm) Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			42/81mul 42/81m	Chromium (p Severe Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal		Jun18/24
Aluminum (ppm) Severe Abnormal Aluminum (ppm) Severe Abnormal Copper (ppm) Severe Abnormal Viscosity @ 40°C			22 mdd 1 1 4781unr 100 mdd 50	Chromium (p Severe Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal		Jun18/24





Sample No. : PCA0122984 Lab Number : 06215879 Unique Number : 11088743

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: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received : 20 Jun 2024 Tested

: 21 Jun 2024 Diagnosed : 23 Jun 2024 - Don Baldridge

Test Package : MOB 2 Certificate 12367 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)

G LOPES CONSTRUCTION

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F: Submitted By: MATT MANOLI