

## **OIL ANALYSIS REPORT**

Sample Rating Trend





# G.LOPES CONSTRUCTION INC./Off-Road

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.

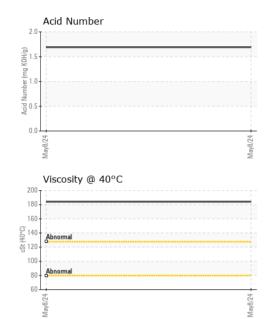
#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0122625		
Sample Date		Client Info		08 May 2024		
Machine Age	hrs	Client Info		1940		
Oil Age	hrs	Client Info		1940		
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	38		
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	<1		
Copper	ppm	ASTM D5185m	>75	0		
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		5		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		9		
Calcium	ppm	ASTM D5185m		2738		
Phosphorus	ppm	ASTM D5185m		949		
Zinc	ppm	ASTM D5185m		1031		
Sulfur	ppm	ASTM D5185m		8787		
CONTAMINAN	ITS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	14		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.69		



## **OIL ANALYSIS REPORT**



		VISUAL		method	limit/base	e current	history1	history2
		White Metal	scala	r *Visual	NONE	NONE		
		Yellow Metal	scala	r *Visual	NONE	NONE		
		Precipitate	scala	r *Visual	NONE	NONE		
		Silt	scala	r *Visual	NONE	NONE		
		Debris	scala	r *Visual	NONE	NONE		
		Sand/Dirt	scala	r *Visual	NONE	NONE		
	May8/24	Appearance	scala	r *Visual	NORML	NORML		
	Ma	Odor	scala	r *Visual	NORML	NORML		
		Emulsified W	ater scala	r *Visual	>0.2	NEG		
		Free Water	scala	r *Visual		NEG		
		FLUID P	ROPERTIE	S method	limit/base	e current	history1	history2
		Visc @ 40°C	cSt	ASTM D445		184		
		SAMPLE	IMAGES	method	limit/base	e current	history1	history2
	May8/24	Color				no image	no image	no image
		Bottom				no imago		no imogo
		Bottom				no image	no image	no image
		GRAPHS						
		Iron (ppm)	)			Lead (ppm)		
	1	Severe			E			
		톱 1000 - Abnormal			dd	20 10 Abnormal		
		May8/24 1			May8/24	May8/24		
		≊ Aluminum	(nnm)		Ma	≝ Chromium (r	nm)	
		200 Severe			, -	<sup>30</sup> Severe		
		a 100 - Abnormal			E	20		
						1		
		124			/24	74		
		May8/24			May8/24	May8/24		
		Copper (pp	om)			Silicon (ppm)	)	
		a 100 - Abnormal				500 - Abnormal		
		8/24			3/24	<sup>0</sup>		
		Viscosity @	10%		May8/24	May8/24		
		viscosity @	) 40°C		Id KOH/g	Acid Number		
		200			er (ii	1.0		
		() 150 - <mark>Abnormal</mark> 정 100 - <mark>Abnormal</mark>			Ę			
		(♀ 150 - Abnormal			24	0.0		
		() 150 - <mark>Abnormal</mark> 정 100 - <mark>Abnormal</mark>			May6/24	0.0 May8/24		
Inclusion Sales Sa	boratory mple No. b Number ique Number st Package	: WearCheck U : PCA0122625 : 06175677 : 11021730 : MOB 2	Rec Tes Dia	eived : 1 ted : 1 gnosed : 14	y, NC 27513 0 May 2024 3 May 2024 4 May 2024 - Do	y/eW	- Contact: BUT	WINTHROP S TAUNTON, M US 0278 CH MCGRAT
Gicate L2367 Test	boratory mple No. b Number ique Number st Package mple report,	: WearCheck U : PCA0122625 : 06175677 : 11021730	Rec Tes Dia er Service at 1	eived : 1 ted : 1 gnosed : 14	y, NC 27513 0 May 2024 3 May 2024 4 May 2024 - Do 9.	y/eW	565 V - Contact: BUT	NSTRUCTIO WINTHROP S TAUNTON, M US 0278

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Submitted By: MATT MANOLI Page 2 of 2