

## **OIL ANALYSIS REPORT**

Sample Rating Trend

### NORMAL

Machine Id

# COMPETITIVE-PSFD PD-032724-6

Component Unknown Component Fluid

{not provided} (--- GAL)

#### DIAGNOSIS

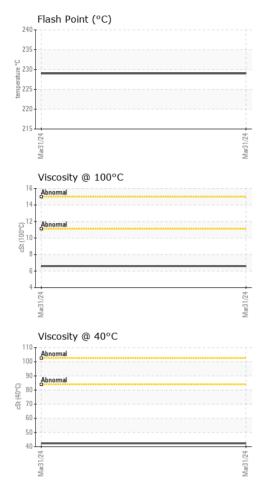
Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMA		method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		31 Mar 2024		
	nrs	Client Info		0		
•	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
			1	-		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
	opm	ASTM D5185(m)		0		
Chromium p	opm	ASTM D5185(m)		0		
Nickel p	opm	ASTM D5185(m)		0		
Titanium p	opm	ASTM D5185(m)		0		
Silver p	opm	ASTM D5185(m)		0		
Aluminum p	opm	ASTM D5185(m)		0		
Lead p	opm	ASTM D5185(m)		0		
Copper p	opm	ASTM D5185(m)		0		
Tin p	opm	ASTM D5185(m)		0		
Antimony p	opm	ASTM D5185(m)		0		
Vanadium p	opm	ASTM D5185(m)		0		
Beryllium p	opm	ASTM D5185(m)		0		
Cadmium p	opm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron p	opm	ASTM D5185(m)		<1		
Barium p	opm	ASTM D5185(m)		0		
Molybdenum p	oom	ASTM D5185(m)		0		
	opm	ASTIVI D3103(III)				
Manganese p	opm	ASTM D5185(m)		0		
		( )		0 <1		
Magnesium p	opm	ASTM D5185(m)		-		
Magnesium p Calcium p	opm opm opm	ASTM D5185(m) ASTM D5185(m)		<1		
Magnesium p Calcium p Phosphorus p	opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 77		
Magnesium p Calcium p Phosphorus p Zinc p	opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 77 335	  	
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p	opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 77 335 431		
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p Lithium p	opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	<1 77 335 431 750 <1	    	  
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p Lithium p CONTAMINANTS	opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	<1 77 335 431 750 <1 current	     history1	  
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p Lithium p CONTAMINANTS Silicon p	opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	<1 77 335 431 750 <1 current 0	     history1 	    history2 
Magnesium p   Calcium p   Phosphorus p   Zinc p   Sulfur p   Lithium p   CONTAMINANTS   Silicon p   Sodium p	opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	<1 77 335 431 750 <1 current	     history1	    history2
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p Lithium p CONTAMINANTS Silicon p Sodium p Potassium p	opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20	<1 77 335 431 750 <1 <i>current</i> 0 0 0	    history1 	   history2 
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p Lithium p CONTAMINANTS Silicon p Sodium p Potassium p	oppm oppm oppm oppm oppm oppm oppm oppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 limit/base	<1 77 335 431 750 <1 current 0 0 0 0 0 current	    history1   history1	    history2 
Magnesium p Calcium p Phosphorus p Zinc p Sulfur p Lithium p CONTAMINANTS Silicon p Sodium p Potassium p VISUAL	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m)	>20 limit/base NONE	<1 77 335 431 750 <1 current 0 0 0 0 0 current NONE	    history1   history1  history1	   history2  history2
Magnesium p   Calcium p   Calcium p   Phosphorus p   Zinc p   Sulfur p   Lithium p   CONTAMINANTS   Silicon p   Sodium p   Potassium p   VISUAL y   Yellow Metal s	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5188(m) ASTM D5188(m) ASTM D5188(m) ASTM D5188(m)	>20 limit/base NONE NONE	<1 77 335 431 750 <1 <i>current</i> 0 0 0 0 <i>current</i> NONE NONE	     history1  history1  history1	   history2  history2
Magnesium p   Calcium p   Calcium p   Phosphorus p   Zinc p   Sulfur p   Lithium p   CONTAMINANTS p   Silicon p   Sodium p   Potassium p   VISUAL s   Yellow Metal s   Precipitate s	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) AS	>20 limit/base NONE NONE NONE	<1 77 335 431 750 <1 <i>current</i> 0 0 0 0 0 <i>current</i> NONE NONE NONE	     history1   history1	    history2  history2
MagnesiumpCalciumpCalciumpPhosphoruspZincpSulfurpLithiumpCONTAMINANTSSiliconpSodiumpPotassiumpVISUALsYellow MetalsSilts	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE	<1 77 335 431 750 <1 <i>current</i> 0 0 0 0 0 0 <i>current</i> NONE NONE NONE NONE	     history1   history1  history1	    history2  history2  history2
MagnesiumpCalciumpCalciumpPhosphoruspZincpSulfurpLithiumpCONTAMINANTSpSiliconpSodiumpPotassiumpVISUALsYellow MetalsYellow MetalsSiltsSiltsSilts	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE NONE	<1 77 335 431 750 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	      history1  history1   history1	   history2   history2  history2
Magnesium p   Calcium p   Calcium p   Phosphorus p   Zinc p   Sulfur p   Lithium p   CONTAMINANTS   Silicon p   Sodium p   Potassium p   VISUAL v   White Metal s   Yellow Metal s   Silt s   Silt s   Sand/Dirt s	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE NONE NONE	<1 77 335 431 750 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	     history1   history1  history1	    history2  history2  history2
Magnesium p   Calcium p   Calcium p   Phosphorus p   Zinc p   Sulfur p   Lithium p   CONTAMINANTS   Silicon p   Sodium p   Potassium p   VISUAL p   White Metal s   Yellow Metal s   Silt s   Silt s   Sand/Dirt s   Appearance s	opm opm opm opm opm opm opm opm opm opm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) Visual* Visual* Visual* Visual*	>20 limit/base NONE NONE NONE NONE NONE	<1 77 335 431 750 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	      history1  history1   history1	    history2   history2  history2   



## **OIL ANALYSIS REPORT**



FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		42.3		
Visc @ 100°C	cSt	ASTM D7279(m)		6.6		
Viscosity Index (VI)	Scale	ASTM D2270*		107		
Pour Point	°C	ASTM D97*		-36		
COC Flash Point	°C	ASTM D92*		229		
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color					no image	no image
Bottom					no image	no image
GRAPHS						

FORSYTHE LUBRICATION Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. : PP Received : 01 Apr 2024 120 CHATHAM ST. Lab Number : 02625871 Tested : 08 Apr 2024 HAMILTON, ON ISO 17025:2017 Accredited Laboratory : 08 Apr 2024 - Kevin Marson Unique Number : 5759003 Diagnosed CA L8P 2B5 Test Package : TEST (Additional Tests: COC Flash, ICP, KV100, KV40, PourPt, VI ) Contact: HEIDI LEINGARTNER To discuss this sample report, contact Customer Service at 1-800-268-2131. T: (905)525-7192 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. F: (905)525-7024 Validity of results and interpretation are based on the sample and information as supplied.

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