

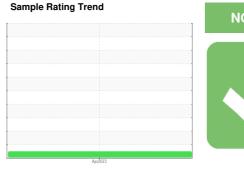
OIL ANALYSIS REPORT

METRO VANCOUVER [02547080] W-CLD-TNK-821C

Component

Hydraulic System

PANOLIN HLP SYNTH 32 (--- GAL)





Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is a light concentration (<5.0%) of mineral oil present in the fluid. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

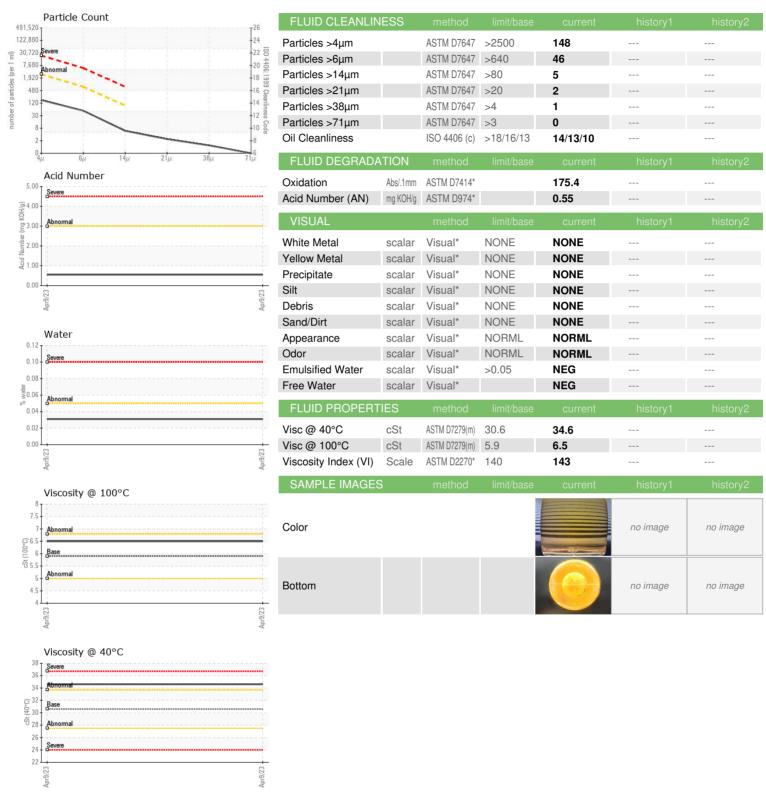
Fluid Condition

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

SAMPLE INFORM Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs	method Client Info Client Info	limit/base	current	history1	history2
Sample Date Machine Age Oil Age Oil Changed Sample Status						
Machine Age Oil Age Oil Changed Sample Status		Client Info		WC		
Oil Age Oil Changed Sample Status				09 Apr 2023		
Oil Changed Sample Status	hrs	Client Info		0		
Sample Status		Client Info		0		
		Client Info		N/A		
				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	2		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>10	<1		
Copper	ppm	ASTM D5185(m)	>75	2		
Tin	ppm	ASTM D5185(m)	>10	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)		0		
Calcium	ppm	ASTM D5185(m)		0		
Phosphorus	ppm	ASTM D5185(m)		1601		
Zinc	ppm	ASTM D5185(m)		20		
Sulfur	ppm	ASTM D5185(m)		1552		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
	ppm	ASTM D5185(m)	>20	<1		
Silicon		ASTM D5185(m)		<1		
	ppm		>20	0		
Sodium	ppm	ASTM D5185(m)				
Sodium Potassium		ASTM D5185(m) ASTM D6304*	>0.05	0.031		
Sodium Potassium Water	ppm		>0.05 >500	0.031 318.2		
Sodium Potassium Water	ppm %	ASTM D6304*				
Sodium Potassium Water ppm Water	ppm %	ASTM D6304* ASTM D6304*	>500	318.2		
Sodium Potassium Water ppm Water INFRA-RED Soot %	ppm % ppm	ASTM D6304* ASTM D6304* method	>500	318.2 current	history1	 history2
Silicon Sodium Potassium Water ppm Water INFRA-RED Soot % Nitration Sulfation	ppm % ppm	ASTM D6304* ASTM D6304* method ASTM D7844*	>500	318.2 current 0	history1	 history2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC : 02550517

Received : 5555527

: 10 Apr 2023 : 14 Apr 2023 Diagnosed : Bill Quesnel Diagnostician

Test Package : MOB 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Envirolin Canada 520 rue Adanac Quebec, QC **CA G1C 7B7** Contact: Luc Tanguay

Luc.tanguay@envirolin.com T: (418)623-1216 F: (418)660-8889



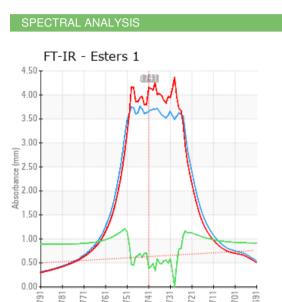
MINERAL OIL CONTENT REPORT

PASS

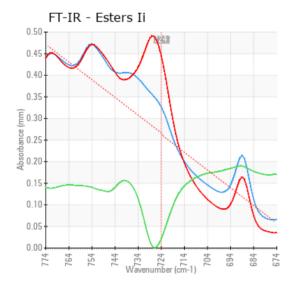
METRO VANCOUVER [02547080] W-CLD-TNK-821C

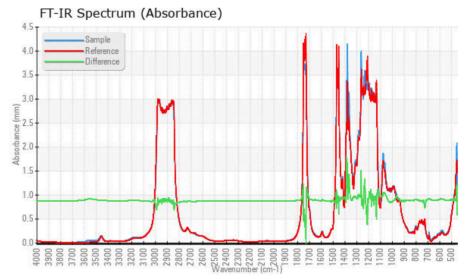
Hydraulic System

PANOLIN HLP SYNTH 32 (--- GAL)



		method	limit/base	current	history1	history2
Zinc	ppm	ASTM D5185(m)		20		
Mineral Oil Content	%	ASTM D7418*	<5.0%	<5.0		







CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : WC : 02550517 Unique Number : 5555527

Received Diagnosed

: 10 Apr 2023 : 14 Apr 2023 Diagnostician : Bill Quesnel

Test Package : MOB 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Envirolin Canada

520 rue Adanac Quebec, QC CA G1C 7B7 Contact: Luc Tanguay

Luc.tanguay@envirolin.com T: (418)623-1216

F: (418)660-8889

This page left intentionally blank