

Area

IRON SHORING 100-017 Component Left Track Drive

PETRO CANADA TRAXON 75W90 SYNTHETIC (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

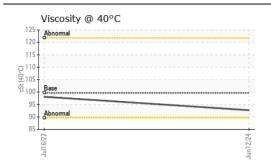
There is no indication of any contamination in the oil.

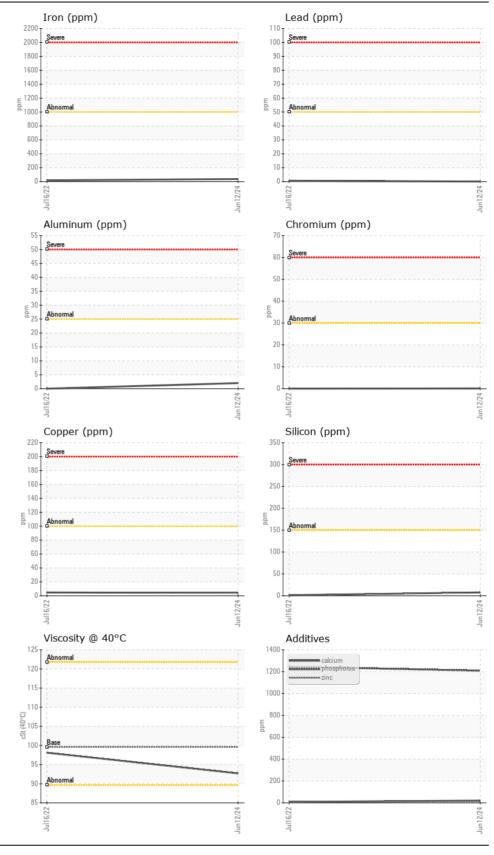
FLUID CONDITION

The condition of the oil is acceptable for the time in service.

TestUOMMethodLimit/kCurrentHistory1History2Sample NumberClient InfoLH028942LH0192983Sample DateClient InfoI2 Jun 202416 Jul 2022Machine AgehrsClient InfoV00Filter AgehrsClient InfoO0Filter AngedhrsClient InfoChangedChangedFilter AngedImageClient InfoChangedChangedFilter ChangedClient InfoChangedChangedFilter ChangedImageClient InfoNCRMALNCRMALSample StatusClient InfoNCRMALNORMALFinder AmplepmASTM05186>300410NickelpmASTM05186>3003618NickelpmASTM05186>1001SilverpmASTM05186>1003AuminumpmASTM05186>1004NondepmASTM05186>1003VanadiumpmASTM05186>100ANondepmASTM05186>100ASiliconpmASTM05186>100ASiliconpmASTM05186>200NONEAS				·			
Sample DateClient InfoI2 Jun 202416 Jul 2022Machine AgehrsClient Info40352025Gil AgehrsClient Info00Filter AgehrsClient InfoCChangedGil ChangedIClient InfoN/AN/ASample StatusClient InfoN/AN/AN/ASample StatusSilter ChangedASTMD5185/>10003618.8IronppmASTMD5185/>10003618.8NickelppmASTMD5185/>10010.0NickelppmASTMD5185/>706.10.0SilterppmASTMD5185/>10010.1AluminumppmASTMD5185/>1001.41.5CopperppmASTMD5185/>1001.41.5VanadiumppmASTMD5185/>1001.41.4VandufumppmASTMD5185/>1001.41.4VandufumppmASTMD5185/>1001.41.4VandufumppmASTMD5185/>1001.41.4VandufumppmASTMD5185/>1001.41.4VandufumppmASTMD5185/NONENONENONEVandufumppmASTMD5185/NONENONE <td< th=""><th>Test</th><th>UOM</th><th>Method</th><th>Limit/Abn</th><th>Current</th><th>History1</th><th>History2</th></td<>	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgehrsClient Info40352025Oil AgehrsClient Info00Filter AgehrsClient InfoNANANAOil ChangedClient InfoNAN/AN/AFilter ChangedIClient InfoN/AN/ASample StatusClient InfoNAN/AN/ATronpmASTMD5186/m>1003618ChromiumpmASTMD5186/m>7<10NickelpmASTMD5186/m>7<10NickelpmASTMD5186/m>7<10SilverpmASTMD5186/m>500<AuminumpmASTMD5186/m>500<AuminumpmASTMD5186/m>500<CopperpmASTMD5186/m>500<VanadiumpmASTMD5186/m>500<VanadiumpmASTMD5186/m>500<SiliconpmASTMD5186/m>500<SiliconppASTMD5186/m>201<SiliconppASTMD5186/m>201<SiliconppASTMD5186/m>201<SoliconppA	Sample Number		Client Info		LH0289423	LH0192983	
Oil Age Filter AgeInsClient InfoInsOilent InfoOO	Sample Date		Client Info		12 Jun 2024	16 Jul 2022	
Filter Age Oil ChangedhrsClient InfoOOGlian LingoClient InfoKAKAKASample StatusClient InfoNANORMALSample StatusVNORMALNORMALIronppmASTM DS18(m)>10003618NickelppmASTM DS18(m)>703100NickelppmASTM DS18(m)>703618NickelppmASTM DS18(m)>703600SilverppmASTM DS18(m)>703000AluminumppmASTM DS18(m)>5000LeadppmASTM DS18(m)>500VanadiumppmASTM DS18(m)>500VanadiumppmASTM DS18(m)>500ValdedscalarVisual*NONENONENONEValdedscalarVisual*NONENONENONESiliconppmASTM DS18(m)>1001ValdedscalarVisual*NONENONENONESiliconppmASTM DS18(m)>10NNONENONESiliconscalarVisual*NONENONENONESoliconscalarVisual*NORM	Machine Age	hrs	Client Info		4035	2025	
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Copper ppm ASTM D5185(m) >100 4 5 Tin ppm ASTM D5185(m) >5 0 <1 Vanadium ppm ASTM D5185(m) >5 0 <1 Vanadium ppm ASTM D5185(m) NONE NONE NONE Vanadium ppm ASTM D5185(m) NONE NONE NONE Yellow Metal scalar Visual* NONE NONE NONE Silicon ppm ASTM D5185(m) >150 8 1 Vater WC Method >0.2 NEG NEG Silt scalar Visual* NONE NONE NONE Sand/Dirt scalar Visual* NONE NORML NORML Appearance scalar Visual* NORML NORML NORML Godr scalar Visual* </th <th></th> <th></th> <th>\ /</th> <th></th> <th></th> <th></th> <th></th>			\ /				
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PotassiumppmASTM D5185(m)>201<1	Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
WaterWC Method>0.2NEGNEGSiltscalarVisual*NONENONENONEDebrisscalarVisual*NONENONENONESand/DirtscalarVisual*NONEVLITENONEAppearancescalarVisual*NORMLNORMLNORMLOdorscalarVisual*NORMLNORMLNORMLNORMLEmulsified WaterscalarVisual*>0.2NEGNEGSodiumppmASTM D5185(m)>0.2NEGNEGBoronppmASTM D5185(m)328300314MolybdenumppmASTM D5185(m)100MagnesiumppmASTM D5185(m)7<11<11PhosphorusppmASTM D5185(m)7219SilturppmASTM D5185(m)1145120912450SulfurppmASTM D5185(m)3330	Silicon	ppm	ASTM D5185(m)	>150	8	1	
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Sand/DirtscalarVisual*NONEVLITENONENORMLIndepIndepIndepIndepIndepIndepIndepIndepIndepIndep<	Silt	scalar	Visual*	NONE	NONE	NONE	
AppearancescalarVisual*NORML<	Debris	scalar	Visual*	NONE	NONE	NONE	
Odor scalar Visual* NORML NORML NORML NORML Emulsified Water scalar Visual* >0.2 NEG NEG Sodium ppm ASTM D5185(m) 2 <1 Boron ppm ASTM D5185(m) 328 300 314 Barium ppm ASTM D5185(m) 1 0 0 Molybdenum ppm ASTM D5185(m) 1 0 0 Magnesium ppm ASTM D5185(m) 1 3 2 Phosphorus ppm ASTM D5185(m) 7 21 9 Zinc ppm ASTM D5185(m) 1145 1209 1245 Sulfur ppm ASTM D5185(m) 3 13 10	Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	
Emulsified WaterscalarVisual*>0.2NEGNEGSodiumppmASTM D5185(m)328300314BoronppmASTM D5185(m)328300314BariumppmASTM D5185(m)100MolybdenumppmASTM D5185(m)100ManganeseppmASTM D5185(m)1<1<1MagnesiumppmASTM D5185(m)7219PhosphorusppmASTM D5185(m)1145120912450ZincppmASTM D5185(m)31310SulfurppmASTM D5185(m)179092048622105	Appearance	scalar	Visual*	NORML	NORML	NORML	
Sodium ppm ASTM D5185(m) 2 <1	Odor	scalar	Visual*	NORML	NORML	NORML	
Boron ppm ASTM D5185(m) 328 300 314 Barium ppm ASTM D5185(m) 1 0 0 Molybdenum ppm ASTM D5185(m) 1 0 0 Manganese ppm ASTM D5185(m) 1 3 21 Magnesium ppm ASTM D5185(m) 1 3 2 Calcium ppm ASTM D5185(m) 7 21 9 Phosphorus ppm ASTM D5185(m) 1145 1209 1245 Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	
Barium ppm ASTM D5185(m) 1 0 0 Molybdenum ppm ASTM D5185(m) 1 0 0 Manganese ppm ASTM D5185(m) 1 0 0 Magnesium ppm ASTM D5185(m) 1 3 21 Calcium ppm ASTM D5185(m) 7 21 9 Phosphorus ppm ASTM D5185(m) 1145 1209 1245 Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Sodium	ppm	ASTM D5185(m)		2	<1	
Molybdenum ppm ASTM D5185(m) O O Manganese ppm ASTM D5185(m) <1 <1 Magnesium ppm ASTM D5185(m) 1 3 2 Calcium ppm ASTM D5185(m) 7 21 9 Phosphorus ppm ASTM D5185(m) 1145 1209 1245 Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Boron	ppm	ASTM D5185(m)	328	300	314	
Manganese ppm ASTM D5185(m) <1	Barium	ppm	ASTM D5185(m)	1	0	0	
Magnesium ppm ASTM D5185(m) 1 3 2 Calcium ppm ASTM D5185(m) 7 21 9 Phosphorus ppm ASTM D5185(m) 1145 1209 1245 Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Molybdenum	ppm	ASTM D5185(m)		0	0	
Calcium ppm ASTM D5185(m) 7 21 9 Phosphorus ppm ASTM D5185(m) 1145 1209 1245 Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Manganese	ppm	ASTM D5185(m)		<1	<1	
Phosphorus ppm ASTM D5185(m) 1145 1209 1245 Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Magnesium	ppm	ASTM D5185(m)	1	3	2	
Zinc ppm ASTM D5185(m) 3 13 10 Sulfur ppm ASTM D5185(m) 17909 20486 22105	Calcium	ppm	ASTM D5185(m)	7	21	9	
Sulfur ppm ASTM D5185(m) 17909 20486 22105	Phosphorus	ppm	ASTM D5185(m)	1145	1209	1245	
	Zinc	ppm	ASTM D5185(m)	3	13	10	
Visc @ 40°C cSt ASTM D7279(m) 99.6 92.7 98.1	Sulfur	ppm	ASTM D5185(m)	17909	20486	22105	
	Visc @ 40°C	cSt	ASTM D7279(m)	99.6	92.7	98.1	

Contact/Location: Nathan Fernandes - RONVAU





: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 RONI/IRON SHORE EXCAVATING LTD. Laboratory CALA Sample No. Received : 14 Jun 2024 100 MACINTOSH BLVD : LH0289423 Lab Number : 02642049 Tested VAUGHAN, ON : 14 Jun 2024 ISO 17025:2017 Accredited Laboratory Diagnosed Unique Number : 5799588 : 14 Jun 2024 - Wes Davis CA L4K 4P3 Test Package : MOB 1 Contact: Nathan Fernandes To discuss this sample report, contact Customer Service at 1-800-268-2131. nfernandes@roni.ca T: 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. F:

Contact/Location: Nathan Fernandes - RONVAU Page 2 of 2