

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

KEMP QUARRIES / BCS - GRAVETTE [70111]

WL153

Front Differential

PETRO CANADA PRODURO TO-4 SAE 50 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: $\mathsf{Pm1}$)

WEAR

All component wear rates are normal.

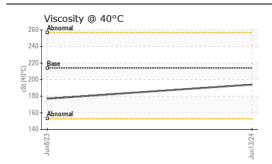
CONTAMINATION

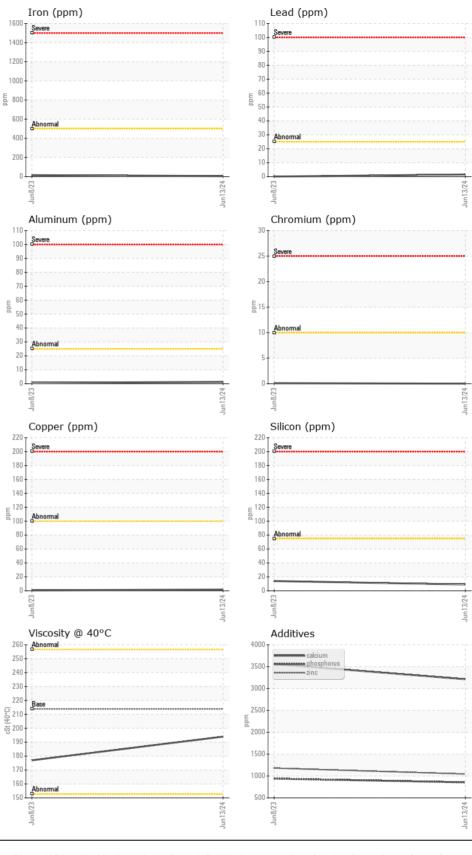
There is no indication of any contamination in the oil.

FLUID CONDITION

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

TestUOMMethodLimit/AnCurrentHistory1History2Sample NumberClient Info13 Jun 202408 Jun 2023Sample DateClient Info429910Oil AgehrsClient Info00Filter AgehrsClient Info00Filter AgehrsClient InfoN/AChangedFilter AgeClient InfoN/AChangedFilter ChangedClient InfoN/AChangedSample StatusClient InfoN/AChangedChromiumppmASTMD5185>500615NickelppmASTMD5185>100NickelppmASTMD5185>100SilverppmASTMD5185>251AluminumppmASTMD5185>102VanadiumppmASTMD5185>102VanadiumppmASTMD5185>102VanadiumppmASTMD5185>75914.4ValdeysuaysuaNORENORENORESiliconppmASTMD5185>75914.4ValdeysuaNORENORENORESiliconppmASTMD5185>2030Yellow Metalscala	~ =)						
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Machine Age Dil Age billagehrsClient Info429910Dil Age Filter AgehrsClient Info00Filter Age Dil ChangedClient InfoN/AChangedFilter ChangedOClient InfoN/AChangedFilter ChangedOClient InfoN/AChangedSample StatusNORMALNORMALIronppmASTM D5185m500615ChromiumppmASTM D5185m100NickelppmASTM D5185m5000SilverppmASTM D5185m220AluminumppmASTM D5185m220LeadppmASTM D5185m51021VanadiumppmASTM D5185m51021VanadiumppmASTM D5185m52030SiliconppmASTM D5185m52030SiliconppmASTM D5185m52030SiliconppmASTM D5185m52030SiliconppmASTM D5185m52030SiliconppmASTM D5185m52030	Sample Number		Client Info		PCA0069844	PCA0085742	
Oil AgehrsClient Info00Filter AgehrsClient InfoN/AChangedOil ChangedClient InfoN/AChangedFilter Changed1Client InfoN/AChangedSample StatusNORMALNORMALIronppmASTM D5185m5500615ChromiumppmASTM D5185m5100NickelppmASTM D5185m5000SilverppmASTM D5185m251LeadppmASTM D5185m>2520CopperppmASTM D5185m>10VanduiumppmASTM D5185m>10ValduiumppmASTM D5185m>10ValduiumppmASTM D5185m>10ValduiumppmASTM D5185m>75914SiliconppmASTM D5185m>2030SiliconppmASTM D5185m>2030SiliconppmASTM D5185m>2030SiliconppmASTM D5185m>2030SiliconppmASTM D5185m>20<	Sample Date		Client Info		13 Jun 2024	08 Jun 2023	
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Iron ppm ASTM D5188m >500 6 15 Chromium ppm ASTM D5188m >10 0 <11 Nickel ppm ASTM D5188m >10 0 <11 Titanium ppm ASTM D5188m >10 0 <11 Aluminum ppm ASTM D5188m >25 1 <1 Aluminum ppm ASTM D5188m >25 2 0 Lead ppm ASTM D5188m >25 2 0 Vanadium ppm ASTM D5185m >10 21 <1 Vanadium ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >20 3 0 Vanadium ppm ASTM D5185m >2	Filter Changed		Client Info		N/A	Changed	
Chromium ppm ASTM D5185m >10 0 <1	Sample Status				NORMAL	NORMAL	
Chromium ppm ASTM D5185m >10 0 <1							
NickelppmASTM D5185m>100TitaniumppmASTM D5185m00SilverppmASTM D5185m>251<1	-				-		
Titanium ppm ASTM D5185m 0 <1		ppm					
Silver ppm ASTM D5185m >25 1 <1				>10	-		
Aluminum ppm ASTM D5185m >25 1 <1					-		
Lead ppm ASTM D5185m >25 2 0 Copper ppm ASTM D5185m >100 2 <1 Tin ppm ASTM D5185m >10 <1 <1 Vanadium ppm ASTM D5185m >10 <1 <1 White Metal scalar *Visual NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >75 9 14 Potassium ppm ASTM D5185m >20 3 0 Water WC Method >.2 NEG NEG Sand/Dirt scalar *Visual NONE NONE NORE Appearance scalar *Visual NORM NORML NORML Godor scalar *Visual NOR </th <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
Copper ppm ASTM D5185m >100 2 <1							
TinppmASTM D5185m>10<1							
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Sulfur ppm ASTM D5185m 7086 5300 9676			ASTM D5185m		1045	1180	
	Sulfur		ASTM D5185m	7086	5300	9676	
			ASTM D445		194	177	





Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Kemp Quarries - Benton County Stone - Gravette 口语 Sample No. : PCA0069844 Received 15100 N Hwy 59 : 10 Jul 2024 Lab Number : 06232803 Tested Sulphur Springs, AR : 11 Jul 2024 Diagnosed Unique Number : 11116296 : 12 Jul 2024 - Sean Felton US 72768 Test Package : MOB 1 Contact: Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. gravette@bentoncountystone.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)