

Machine Id

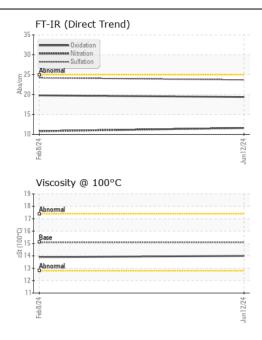
WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

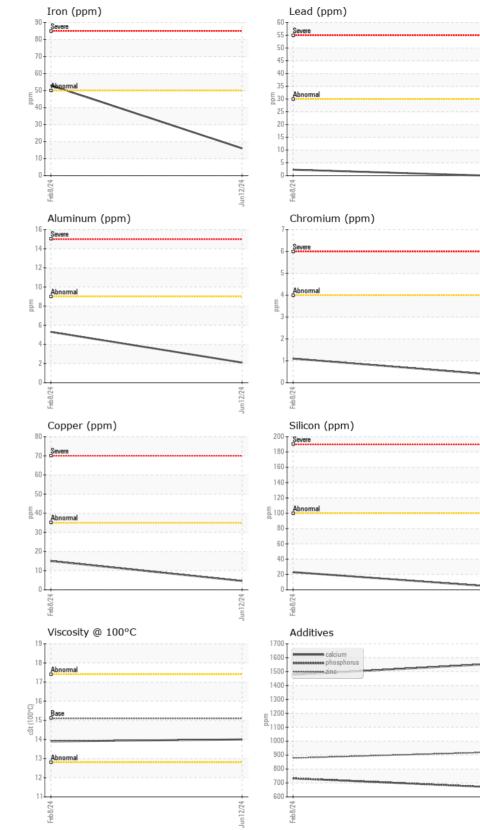
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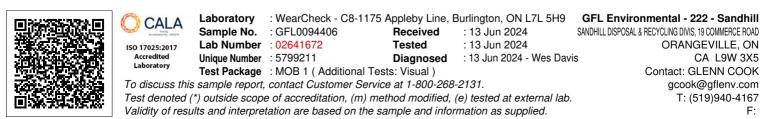
Natural Gas Engine

PETRO CANADA DURON GEO LD 15W40 (24 LTR)

Sample Number Client Info GPL009406 GPL0094703 ···· Sample Date Client Info 12 Jun 202 08 Feb 2042 ··· Machine Age hrs Client Info 12 Jun 202 08 Feb 2042 ··· Oil Age hrs Client Info 1000 0 ··· Oil Age hrs Client Info 1000 0 ··· Oil Changed Ins Client Info Changed Changed ··· Oil Changed Client Info Changed Changed ··· ··· WEAR Info pm ASIM DSISIN >SO 16 S3 ··· All component wear rates are normal. Info pm ASIM DSISIN >SO 4 1 ··· Nickel pm ASIM DSISIN >SO 16 S3 ··· All component wear rates are normal. Nickel pm ASIM DSISIN >SO 0 0 ··· Aluminum pm ASIM DSISIN				/				
Head Test Clear Info 12 Jun 2021 0 Feb 2021 Machine Age Ins Clear Info 1994 1994 1994 1 Nambine Age Ins Clear Info 1000 0 Filter Age Ins Clear Info Changed Changed Changed Chromolum pm KTM 0556 Northold All component wear rates are normal. Inon pm KTM 0556 All component wear rates are normal. Inon pm KTM 0556	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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Filter Age Nrs Client Ind No 000 0.00000000000000000000000000000000000		Machine Age	hrs	Client Info		1954	1283	
OliChanged Clent not Changed		Oil Age	hrs	Client Info		1000	0	
Filter Changel Sample Status Client Into Changel NORMA		Filter Age	hrs	Client Info		1000	0	
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WEAR Iron pp ATV 051% m >50 16 53.3 All component wear rates are normal. Promotium ppm ASTV 051% m >4 1 Nickel ppm ASTV 051% m >3 0 Silver ppm ASTV 051% m >3 0 All uninum ppm ASTV 051% m >3 0 Lead ppm ASTV 051% m >3 0 Vandium ppm ASTV 051% m >3 0 Vandium ppm ASTV 051% m >4 2 Vandium ppm ASTV 051% m >4 0 0 Vandium ppm ASTV 051% m >4 Vandium ppm ASTV 051% m >4 <t< th=""><th></th><th>Filter Changed</th><th></th><th>Client Info</th><th></th><th>Changed</th><th>Changed</th><th></th></t<>		Filter Changed		Client Info		Changed	Changed	
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All component wear rates are normal. Chromium ppm ASIM (058) ppm p-4 c1 1 Nickel ppm ASIM (058) ppm >2 <1 2 < All component wear rates are normal. index ppm ASIM (058) ppm >3 0 <1 < All uminum ppm ASIM (058) ppm >3 0 <1 < Aluminum ppm ASIM (058) ppm >3 0 2 < Aluminum ppm ASIM (058) ppm >3 0 0 2 Coper ppm ASIM (058) ppm >3 0 0 Vanadium ppm ASIM (058) ppm >3 0 0 0 There is no indication of any contamination in the oil. Silicon ppm ASIM (056) pots >20 1 2 Solt% % ASIM (0764) pots 20 11.6 10.8 There	WEAR	Iron	mag	ASTM D5185(m)	>50	16	53	
All component wear rates are normal. Nickel ppm 4511 b586;m >2 <1								
Titanium ppm ASTM 05185m C 0 0				. ,				
Silver pp ASTM DSSS 3 0 <1								
Aluminum ppm ASTM 0585m >9 2 5 Lead ppm ASTM 0585m >30 0 2 Copper ppm ASTM 0585m >40 2 Tin ppm ASTM 0585m >4 1 2 Vanadium ppm ASTM 0585m 0 0 Vanadium ppm ASTM 0585m 0 0 Vanadium ppm ASTM 0585m 0 0 Vanadium scala Visual* NONE MONE Velow volait scala Visual* NONE NONE Potassium ppm ASTM 0585m >-10 NO Silicon Astm ASTM 0584m >-10 NO NO NO NO NO NO NO Siliton <th></th> <th></th> <th></th> <th></th> <th>>3</th> <th></th> <th></th> <th></th>					>3			
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TinpmASTM D51807-4c12-4VanadiumpmASTM D51807-00-White MetalscalarVisualNONENONECONTAMINATIONSalarVisualNONE-2-There is no indication of any contamination in the oil.SiliconpmASTM D51807-000-NoteSolarVisualNONE-0100NoteSolarVisualNote-000WaterWaterWaterWisualNote-16.60.16Solo %%ASTM D7844-0.11610.8Nitration AssetScalarVisualNoteNote10.0SaldationAssitmAssitmASTM D7844NoteNote1.60.0 <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></td<>								
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White Metal Yellow Metal scalar Visual* NONE NONE								
Yellow MetalscalarVisual*NONENONECONTAMINATIONSiliconppmASTND518(m)>+100523There is no indication of any contamination in the oil.PotassiumppmASTND518(m)>-2023WaterWC Method>.0.1NEGNEG<					NONE	-		
Potassium pp ASTM D5185(m) >20 <1					-			
Potassium pp ASTM D5185(m) >20 <1								
There is no indication of any contamination in the oil. Water WC Metholo >0.1 NEG NEG Soot % % ASTM D7844' Image: Control of	CONTAMINATION		ppm	. ,				
FLUID CONDITION Solution	There is no indication of any contamination in the oil.		ppm	()				
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FLUID CONDITION Sodium ppm ASTM D5185(m) 2 4 Boron ppm ASTM D5185(m) 50 8 7 Barium ppm ASTM D5185(m) 50 6 1 2 Molybdenum ppm ASTM D5185(m) 50 58 91 Manganese ppm ASTM D5185(m) 0 1 9 Magnesium ppm ASTM D5185(m) 560 564 671 Phosphorus ppm ASTM D5185(m) 1510 1552 1478 Zinc ppm ASTM D5185(m) 780 672 733 Sulfur ppm ASTM D5185(m) 2040 1971 22000 Oxidation Abs/.1mm ASTM D7144* >25 19.4 19.8								
Boron ppm ASTM D5185(m) 50 8 77 Barium ppm ASTM D5185(m) 50 <10 2 Molybdenum ppm ASTM D5185(m) 50 <58 911 Manganese ppm ASTM D5185(m) 500 <11 90 Magnesium ppm ASTM D5185(m) 560 <564 671 Calcium ppm ASTM D5185(m) 1510 <1552 1478 Phosphorus ppm ASTM D5185(m) 780 <564 <671 Zinc ppm ASTM D5185(m) 1510 1552 1478 Sulfur ppm ASTM D5185(m) 780 <672 733< Sulfur ppm ASTM D5185(m) 870 919 8790 Oxidation Abs/.1mm ASTM D5185(m) 2040 19.4 19.8		Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	
Barium ppm ASTM D5185(m) 5 <1	FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		2	4	
Barium ppm ASIM D5185(m) 5 <1	The condition of the cillic accontable for the time in convice	Boron	ppm	ASTM D5185(m)	50	8	7	
Manganese ppm ASTM D5185(m) 0 1 9 Magnesium ppm ASTM D5185(m) 560 564 671 Calcium ppm ASTM D5185(m) 1510 1552 1478 Phosphorus ppm ASTM D5185(m) 780 672 733 Zinc ppm ASTM D5185(m) 870 919 879 Sulfur ppm ASTM D5185(m) 2040 1971 22000 Oxidation Abs/.1mm ASTM D7414* >25 19.4 19.8	The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185(m)	5	<1	2	
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Calcium ppm ASTM D5185(m) 1510 1552 1478 Phosphorus ppm ASTM D5185(m) 780 672 733 Zinc ppm ASTM D5185(m) 870 919 879 Sulfur ppm ASTM D5185(m) 2040 1971 2200 Oxidation Abs/.1mm ASTM D7414' >25 19.4 19.8		Manganese	ppm	ASTM D5185(m)	0	1	9	
Phosphorus ppm ASTM D5185(m) 780 672 733 Zinc ppm ASTM D5185(m) 870 919 879 Sulfur ppm ASTM D5185(m) 2040 1971 2200 Oxidation Abs/.1mm ASTM D7414* >25 19.4 19.8		Magnesium	ppm	ASTM D5185(m)	560	564	671	
Zinc ppm ASTM D5185(m) 870 919 879 Sulfur ppm ASTM D5185(m) 2040 1971 2200 Oxidation Abs/.1mm ASTM D7414* >25 19.4 19.8		Calcium	ppm	ASTM D5185(m)	1510	1552	1478	
Sulfur ppm ASTM D5185(m) 2040 1971 2200 Oxidation Abs/.1mm ASTM D7414* >25 19.4 19.8		Phosphorus	ppm	ASTM D5185(m)	780	672	733	
Oxidation Abs/.1mm ASTM D7414* >25 19.4 19.8		Zinc	ppm	ASTM D5185(m)	870	919	879	
		Sulfur	ppm	ASTM D5185(m)	2040	1971	2200	
Visc @ 100°C cSt ASTM D7279(m) 15.1 14.0 13.9		Oxidation	Abs/.1mm	ASTM D7414*	>25	19.4	19.8	
		Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.0	13.9	







Submitted By: Kim Thompson Page 2 of 2