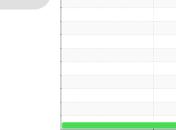


08-004-CD

OIL ANALYSIS REPORT

Sample Rating Trend







Component New (Unused) Oil Fluid PETRO CANADA LUMINOL TRI (--- GAL)

DIAGNOSIS

Area [4157]

Recommendation

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

Wear

{not applicable}

Contamination {not applicable}

Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method limit/base current history1 history2 Iron ppm ASTM DS185(m) >5 0 Nickel ppm ASTM DS185(m) >5 0 Nickel ppm ASTM DS185(m) >5 0 Aluminum ppm ASTM DS185(m) >5 0 Aluminum ppm ASTM DS185(m) >5 0 Lead ppm ASTM DS185(m) >5 0 Antimomy ppm ASTM DS185(m) 0 Antimomy ppm ASTM DS185(m) 0	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Date Client Info 08 Aug 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method Imit/base current history1 NCRMAL Nckel ppm ASTM D5185(m) -55 0 Nickel ppm ASTM D5185(m) -55 0 Lead ppm ASTM D5185(m) -55 0 Auminum ppm ASTM D5185(m) -55 0 Lead ppm ASTM D5185(m) -5 0 Auminum ppm ASTM D5185(m) -5 0 Cadadum ppm	Sample Number		Client Info		PP0000712		
Machine AgehrsClient Info0Oil AgehrsClient InfoN/ASample StatusiiImit/basCurrentinistoryWEAR METALSmethodImit/basCurrentinistoryinistoryIronppmASTM DS185(m)>50NickelppmASTM DS185(m)>50NickelppmASTM DS185(m)>50SilverppmASTM DS185(m)>50AluminumppmASTM DS185(m)>50LeadppmASTM DS185(m)>50CopperppmASTM DS185(m)>50AntimonyppmASTM DS185(m)S0YanadiumppmASTM DS185(m)0Astm DS185(m)00AdminumppmASTM DS185(m)00BariumppmASTM DS185(m)00MolybdenumpmASTM DS185(m)00ManganeseppmASTM DS185(m)00ManganeseppmASTM DS185(m)00SuffurppmASTM DS185(m)0 <t< td=""><td>Sample Date</td><td></td><td>Client Info</td><td></td><td>08 Aug 2023</td><td></td><td></td></t<>	Sample Date		Client Info		08 Aug 2023		
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Oil Changed Client Info N/A Sample Status Image of the status WEAR METALS method limit/base current history1 history2 Iron ppm ASTM DS185(m) >5 0 Image of the status Nickel ppm ASTM DS185(m) >5 0 Image of the status Nickel ppm ASTM DS185(m) >5 0 Image of the status Silver ppm ASTM DS185(m) >5 0 Image of the status Auminum ppm ASTM DS185(m) >5 0 Image of the status Autimum ppm ASTM DS185(m) >5 0 Image of the status Autimum ppm ASTM DS185(m) 0 Image of the status Autimum ppm ASTM DS185(m) 0	-						
Sample Status method imit/base current history1 history2 Iron ppm ASTM D515(m) >5 0 Chromium ppm ASTM D515(m) >5 0 Nickel ppm ASTM D5155(m) >5 0 Silver ppm ASTM D5155(m) >5 0 Aluminum ppm ASTM D5155(m) >5 0 Aluminum ppm ASTM D5155(m) >5 0 Copper ppm ASTM D5155(m) >5 0 Antimony ppm ASTM D5155(m) S 0 Cadmium ppm ASTM D5155(m) 0 Barium ppm ASTM D5155(m) 0 Manganese ppm ASTM D5155(m)	-				-		
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Tin ppm ASTM D5185(m) >5 0 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) 0 Malganese ppm ASTM D5185(m) 0 0 Marganese ppm ASTM D5185(m) 0 0 Calcium ppm ASTM D5185(m) 0 0 Visurd ppm ASTM D5185(m) 0 Sulfur ppm ASTM D5185(m) >5 0							
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) 0 <1							
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BerylliumppmASTM D5185(m)0CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)0<1	•	ppm					
Cadmium ppm ASTM D5185(m) 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 0 <1 Barium ppm ASTM D5185(m) 0 0 Molybdenum ppm ASTM D5185(m) 0 0 Magnesium ppm ASTM D5185(m) 0 0 Magnesium ppm ASTM D5185(m) 0 0 Calcium ppm ASTM D5185(m) 0 1 Zinc ppm ASTM D5185(m) 0 1 Sulfur ppm ASTM D5185(m) >10 <1 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >5 0 <td>Vanadium</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td></td> <td></td> <td></td> <td></td>	Vanadium	ppm	ASTM D5185(m)				
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)0<1	Beryllium	ppm	ASTM D5185(m)		0		
BoronppmASTM D5185(m)0<1BariumppmASTM D5185(m)00MolybdenumppmASTM D5185(m)00ManganeseppmASTM D5185(m)00MagnesiumppmASTM D5185(m)00CalciumppmASTM D5185(m)00PhosphorusppmASTM D5185(m)00SulfurppmASTM D5185(m)01SulfurppmASTM D5185(m)10<1	Cadmium	ppm	ASTM D5185(m)		0		
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MolybdenumppmASTM D5185(m)00ManganeseppmASTM D5185(m)00MagnesiumppmASTM D5185(m)00CalciumppmASTM D5185(m)00PhosphorusppmASTM D5185(m)00ZincppmASTM D5185(m)01SulfurppmASTM D5185(m)10<1	Boron	ppm	ASTM D5185(m)	0	<1		
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MagnesiumppmASTM D5185(m)00CalciumppmASTM D5185(m)0<1	Molybdenum	ppm	ASTM D5185(m)	0	0		
CalciumppmASTM D5185(m)0<1PhosphorusppmASTM D5185(m)00ZincppmASTM D5185(m)01SulfurppmASTM D5185(m)10<1	Manganese	ppm	ASTM D5185(m)	0	0		
PhosphorusppmASTM D5185(m)00ZincppmASTM D5185(m)01SulfurppmASTM D5185(m)10<1	Magnesium	ppm	ASTM D5185(m)	0	0		
PhosphorusppmASTM D5185(m)00ZincppmASTM D5185(m)01SulfurppmASTM D5185(m)10<1	Calcium	ppm	ASTM D5185(m)	0	<1		
ZincppmASTM D5185(m)01SulfurppmASTM D5185(m)10<1	Phosphorus				0		
SulfurppmASTM D5185(m)10<1LithiumppmASTM D5185(m)Imit/basecurrenthistory1history2SoliconppmASTM D5185(m)>150SodiumppmASTM D5185(m)>50PotassiumppmASTM D5185(m)>20<1VISUALmethodlimit/basecurrenthistory1history2White MetalscalarVisual*NONENONEYellow MetalscalarVisual*NONENONESiltscalarVisual*NONENONESiltscalarVisual*NONENONESand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORML							
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Sand/DirtscalarVisual*NONENONEAppearancescalarVisual*NORMLNORML							
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OIL ANALYSIS REPORT

