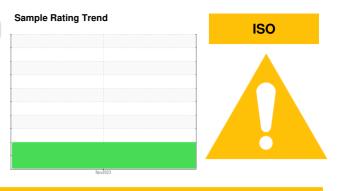


PROBLEM SUMMARY

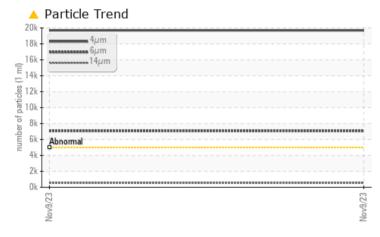


CATERPILLAR 30-304 (S/N TZA10093)

Pre-Flush Hydraulic System Fluid PETRO CANADA PRODURO TO-4 SAE 10W (195 LTR)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC T	EST RESULTS		
Sample Status		ABNORMAL	
Particles >4µm	ASTM D7647 >50)00 🔺 19690	
Particles >6µm	ASTM D7647 >13	300 A 7073	
Particles >14µm	ASTM D7647 >16	60 🔺 528	
Particles >21µm	ASTM D7647 >40) 🔺 66	
Oil Cleanliness	ISO 4406 (c) >19	/17/14 🔺 21/20/16	

Customer Id: LESNEW Sample No.: PC0069833 Lab Number: 02600510 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Wes Davis +1 905-569-8600 x223 wesd@wearcheck.ca

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 <u>gloria.gonzalez@wearcheck.com</u>

RECOMMENDED	ACTIONS			
Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sa



Machine Id CATERPILLAR 30-304 (S/N TZA10093) Component

Pre-Flush Hydraulic System Fluid

PETRO CANADA PRODURO TO-4 SAE 10W (195 LTR)

ample Rating Tre	nd	 ISO
N North Association	ov2023	

The filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Sample Date Client Info 09 Nov 2023 Machine Age hrs Client Info 6874 Wear Oil Age hrs Client Info 3080 All component wear rates are normal. Oil Changed Client Info Changed Sample Status Image <	DIAGNOSIS	SAMPLE INFO	RMATION	method	limit/base	current	history1	history2
noted. Partie and or a carry essample of monitor this condit of his con	Recommendation	Sample Number		Client Info		PC0069833		
Monitor file condition. Oit Age in a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is a Client linit or Annog in ANNOS (Sim) is	The filter change at the time of sampling has been	Sample Date		Client Info		09 Nov 2023		
Wear Client Into Client Into <thclient into<="" th=""> <thcl< td=""><td></td><td>Machine Age</td><td>hrs</td><td>Client Info</td><td></td><td>6874</td><td></td><td></td></thcl<></thclient>		Machine Age	hrs	Client Info		6874		
All component wear rates are normal. Sample Status ABXORMAL Sample Status ABXORMAL Netfory! Netfo	monitor this condition.	Oil Age	hrs	Client Info		3080		
Containation Containation Netronal There is a moderate amount of silt (particulate < 1 minutates) present in the oil.	Wear	Oil Changed		Client Info		Changed		
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. CONTAMINATION method limit/base current history1 history2 The AN level is acceptable for this fluid. The oil is silt serviceable provided fat the contaminant(s) can be reduced to acceptable levels. method joint 200 3 Nickel ppm ASIII (0858) >20 3 Nickel ppm ASIII (0858) >20 3 Nickel ppm ASIII (0858) >20 1 Auminm ppm ASIII (0858) >20 1 Auminm ppm ASIII (0858) >20 1 Autimory ppm ASIII (0858) >20 1 Autimory ppm ASIII (0858) >20 1 Autimory ppm ASIII (0858) >20 1 Berg/linn ppm <td>All component wear rates are normal.</td> <td>Sample Status</td> <td></td> <td></td> <td></td> <td>ABNORMAL</td> <td></td> <td></td>	All component wear rates are normal.	Sample Status				ABNORMAL		
Third microns is size) present in the ol. Water WC Method >0.05 NEG Fuid Condition The All revels is acceptable for this fluid. The oli is size) previded that the contaminant(s) can be reduced to acceptable levels. MCAR METALS method imitbase current Mistory1 history2 Trans. No. Previded that the contaminant(s) can be reduced to acceptable levels. Prevident ASTU (5818m) >20 3 No. Red ppm ASTU (5818m) >20 1 No. Red ppm ASTU (5818m) >20 1 No. Red ppm ASTU (5818m) >20 1 Autimory ppm ASTU (5818m) >20 1 Autimory ppm ASTU (5818m) 20 1 Autimory ppm ASTU (5818m) 20 0 Autimory ppm ASTU (5818m) 1 4 Autimory ppm ASTU (5818m) 1 4	Contamination	CONTAMINA		method	limit/hase	current	history1	history2
VDEAM METALS Interface Current Interface Current Interface Interface <thinterface< th=""> Interface <thi< td=""><td>There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thi<></thinterface<>	There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.							
Iron ppm ASTM 0518m >20 3 Chromium ppm ASTM 0518m >20 <1	Fluid Condition	WEAR META	LS	method	limit/base	current	history1	history2
can be reduced to acceptable levels. Chromium ppm ASTM D5185/m >20 0 Nickel ppm ASTM D5185/m >20 <1	•	Iron	maa	ASTM D5185(m)	>20	3		
Nickel ppm ASTM 2518501 >>20 <1				()				
TitaniumppmASTM D5185m00SilverppmASTM D5185m<	·			. ,				
SilverppmASTM D5185/m<								
Aluminum ppm ASTM D516sim >20 1 Lead ppm ASTM D516sim >20 1 Copper ppm ASTM D516sim >20 1 Antimony ppm ASTM D516sim >20 0 Antimony ppm ASTM D516sim 0 Vanadium ppm ASTM D516sim 0 ADDITIVES method Imit/base current history1 Boron ppm ASTM D516sim 1 4 Molybdenum ppm ASTM D516sim 1 2 Manganese ppm ASTM D516sim 1 56 Qaicum ppm ASTM D516sim 1662 Manganese ppm ASTM D516sim 162 1062 Qai								
Lead ppm ASTM D5185m >20 <1		Aluminum		()	>20	1		
Copper ppm ASTM D5185m >20 1 Tin ppm ASTM D5185m >20 0 Antimony ppm ASTM D5185m 0 Vanadium ppm ASTM D5185m 0 Beryllium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 1 0 Boron ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 1 4 Magnesee ppm ASTM D5185m 1 2 Magneses ppm ASTM D5185m 1 56 Magneses ppm ASTM D5185m 166 3077 Magnesium ppm ASTM D5185m 162 1062 Magnesium ppm ASTM D5185m 162 166		Lead		. ,		<1		
Tin ppm ASTM D5185(m) >20 0 Antimony ppm ASTM D5185(m) 0 Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) 0 Cadmium ppm ASTM D5185(m) 1 4 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 1 4 Manganese ppm ASTM D5185(m) 1 2 Magnesium ppm ASTM D5185(m) 1 56 Calcium pm ASTM D5185(m) 1682 3077 Sulfur ppm ASTM D5185(m) 1182 3062 Sulfur pm ASTM D5185(m) 3713 2969 Sulfur pm ASTM D5185(m) 1		Copper						
Vanadium ppm ASTM D5185(m) 0 Beryllium ppm ASTM D5185(m) I 0 Cadmium ppm ASTM D5185(m) Imit/base current history1 history2 Boron ppm ASTM D5185(m) 1 4 Barium ppm ASTM D5185(m) 1 4 Molybdenum ppm ASTM D5185(m) 1 2 Magnesium ppm ASTM D5185(m) 1 56 Qiciu ppm ASTM D5185(m) 987 3077 Calcium ppm ASTM D5185(m) 9876 Sulfur ppm ASTM D5185(m) 9876		Tin	ppm	ASTM D5185(m)	>20	0		
Berytlium CadmiumppmASTM D5185(m)0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185(m)14BariumppmASTM D5185(m)14MolybdenumppmASTM D5185(m)12ManganeseppmASTM D5185(m)156CalciumppmASTM D5185(m)156CalciumppmASTM D5185(m)1662PhosphorusppmASTM D5185(m)11621062ZincppmASTM D5185(m)11621062SulfurppmASTM D5185(m)37132969SulfurppmASTM D5185(m)5157SoliconppmASTM D5185(m)22SoliconppmASTM D5185(m)>200PotassiumppmASTM D5185(m)>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>500016690Particles >6µmASTM D7647>1007073Particles >14µmASTM D7647>100528Particles >14µmASTM D7647 </td <td></td> <td>Antimony</td> <td>ppm</td> <td>ASTM D5185(m)</td> <td></td> <td>0</td> <td></td> <td></td>		Antimony	ppm	ASTM D5185(m)		0		
CadmiumppmASTM D5185(m)0ADDITIVESmethodimit/basecurrenthistory1history2BoronppmASTM D5185(m)14BariumppmASTM D5185(m)0<1		Vanadium	ppm	ASTM D5185(m)		0		
ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185(m) 1 4 Barium ppm ASTM D5185(m) 1 2 Molybdenum pm ASTM D5185(m) 1 2 Manganese pm ASTM D5185(m) 1 56 Magnesium pm ASTM D5185(m) 1 56 Calcium pm ASTM D5185(m) 2864 30777 Phosphorus pm ASTM D5185(m) 987 895 Sulfur pm ASTM D5185(m) 3713 2969 CONTAMINANTS method limit/base current history1 history1 history2 Sliicon pm ASTM D5185(m) 3713 2969 Sodium pm ASTM D5185(m) >15 7 <		Beryllium	ppm	ASTM D5185(m)		0		
BoronppmASTM D5185(m)14BariumppmASTM D5185(m)0 <t< td=""><td></td><td>Cadmium</td><td>ppm</td><td>ASTM D5185(m)</td><td></td><td>0</td><td></td><td></td></t<>		Cadmium	ppm	ASTM D5185(m)		0		
Barium pm ASTM D5185(m) 0 <1 Molybdenum pm ASTM D5185(m) 1 2 Manganese pm ASTM D5185(m) 1 0 Magnesium pm ASTM D5185(m) 1 56 Magnesium pm ASTM D5185(m) 1 56 Calcium pm ASTM D5185(m) 162 3077 Phosphorus pm ASTM D5185(m) 987 895 Zinc pm ASTM D5185(m) 1162 1062 Sulfur pm ASTM D5185(m) 3713 2969 Lithium pm ASTM D5185(m) >15 7 Sodium pm ASTM D5185(m) >15 7 Sodium pm ASTM D5185(m) >20 0 FLUID CLEAN-LINES				mathad	limit/base	current	history1	biotory?
MolybdenumppmASTM D5185(m)12ManganeseppmASTM D5185(m)156MagnesiumppmASTM D5185(m)28643077CalciumppmASTM D5185(m)28643077PhosphorusppmASTM D5185(m)987895ZincppmASTM D5185(m)37132969SulfurppmASTM D5185(m)37132969LithiumppmASTM D5185(m)37132969SoliconppmASTM D5185(m)5157SoliconppmASTM D5185(m)>157SodiumppmASTM D5185(m)>200PotassiumppmASTM D5185(m)>200FLUID CLEAN-LINESSmethodLimit/basecurrenthistory1history2Particles >4µmXASTM D7647>5000A 19690Particles >6µmASTM D7647>1300A 7073Particles >14µmASTM D7647>160A 528Particles >14µmASTM D7647>160A 528		ADDITIVES		method	iiiiii/base	Guirein	Thistory I	TIIStory2
Marganese ppm ASTM D5185(m) 1 0 Magnesium ppm ASTM D5185(m) 1 56 Calcium ppm ASTM D5185(m) 2864 3077 Phosphorus ppm ASTM D5185(m) 987 895 Zinc ppm ASTM D5185(m) 1162 1062 Sulfur ppm ASTM D5185(m) 3713 2969 Sulfur ppm ASTM D5185(m) 3713 2969 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185(m) >15 7 Sodium ppm ASTM D5185(m) >20 0 Potassium pm ASTM D5185(m) >20 0 FLUID CLEANLINESS method limit/base current history1 history2 <td< td=""><td></td><td></td><td>ppm</td><td></td><td></td><td></td><td></td><td></td></td<>			ppm					
MagnesiumppmASTM D5185(m)156CalciumppmASTM D5185(m)28643077PhosphorusppmASTM D5185(m)987895ZincppmASTM D5185(m)11621062SulfurppmASTM D5185(m)37132969 <t< td=""><td></td><td>Boron</td><td></td><td>ASTM D5185(m)</td><td>1</td><td>4</td><td></td><td></td></t<>		Boron		ASTM D5185(m)	1	4		
CalciumppmASTM D5185(m)28643077PhosphorusppmASTM D5185(m)987895ZincppmASTM D5185(m)11621062SulfurppmASTM D5185(m)37132969LithiumppmASTM D5185(m)37132969CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>157SodiumppmASTM D5185(m)>200PotassiumppmASTM D5185(m)>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>500019690Particles >6µmASTM D7647>13007073Particles >14µmASTM D7647>160528		Boron Barium	ppm	ASTM D5185(m) ASTM D5185(m)	1 0	4 <1		
PhosphorusppmASTM D5185(m)987895ZincppmASTM D5185(m)11621062SulfurppmASTM D5185(m)37132969LithiumppmASTM D5185(m)37132969CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>157SodiumppmASTM D5185(m)>200PotassiumppmASTM D5185(m)>200FLUID CLEANTINESmethodlimit/basecurrenthistory1history2Particles >4µmXASTM D7647>100019690Particles >6µmXASTM D7647>10007073Particles >14µmXASTM D7647>160528		Boron Barium Molybdenum	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1 0 1	4 <1 2		
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SulfurppmASTM D5185(m)37132969LithiumppmASTM D5185(m)<1		Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1 0 1 1 1	4 <1 2 0 56		
LithiumppmASTM D5185(m)<1CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185(m)>157SodiumppmASTM D5185(m)>202PotassiumppmASTM D5185(m)>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>500019690Particles >6µmASTM D7647>13007073Particles >14µmASTM D7647>160\$28		Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1 0 1 1 1 2864 987	4 <1 2 0 56 3077	 	
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SiliconppmASTM D5185(m)>157SodiumppmASTM D5185(m)22PotassiumppmASTM D5185(m)>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4µmASTM D7647>500019690Particles >6µmASTM D7647>13007073Particles >14µmASTM D7647>160A 528		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162	4 <1 2 0 56 3077 895 1062 2969		
SodiumppmASTM D5185(m)2PotassiumppmASTM D5185(m)>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4 μ mASTM D7647>500019690Particles >6 μ mASTM D7647>13007073Particles >14 μ mASTM D7647>160528		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162	4 <1 2 0 56 3077 895 1062 2969		
PotassiumppmASTM D5185(m)>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history2Particles >4μmASTM D7647>500019690Particles >6μmASTM D7647>13007073Particles >14μmASTM D7647>160528		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINA	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162 3713 imit/base	4 <1 2 0 56 3077 895 1062 2969 <1		
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Particles >6μm ASTM D7647 >1300 ▲ 7073 Particles >14μm ASTM D7647 >160 ▲ 528		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINA Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162 3713 imit/base >15	4 <1 2 0 56 3077 895 1062 2969 <1 current 7 2		history2
Particles >14µm ASTM D7647 >160 ▲ 528		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINA Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162 3713 3713 imit/base >15 >20 limit/base	4 <1 2 0 56 3077 895 1062 2969 <1 <i>current</i> 7 2 0		
		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINA Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162 3713 3713 imit/base >15 >20 limit/base	4 <1 2 0 56 3077 895 1062 2969 <1 current 7 2 0 current 19690		
Particles >21µm ASTM D7647 >40 ▲ 66		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINA Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >6µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162 3713 3713 3713 5 5 5 5 5 5 5 5 0 0 5 5 0 0 5 5 0 0 5 1 3 0 5 5 0 0 5 1 3 0 5 1 3 0 5 1 1 1 5 5 1 1 5 5 5 1 1 5 5 5 5 1 5	4 <1 2 0 56 3077 895 1062 2969 <1 current 7 2 0 current 19690	 history1 history1	 history2 history2
		Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINA Silicon Sodium Potassium FLUID CLEAN Particles >4µm Particles >14µm	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m)	1 0 1 1 2864 987 1162 3713 3713 3713 5 5 5 5 5 5 5 5 0 0 5 5 0 0 5 5 0 0 5 1 3 0 5 5 0 0 5 1 3 0 5 1 3 0 5 1 1 1 5 5 1 1 5 5 5 1 1 5 5 5 5 1 5	4 <1 2 0 56 3077 895 1062 2969 <1 <i>current</i> 7 2 0 <i>current</i> 4 19690 ▲ 19690 ▲ 19690		

ASTM D7647 >10

ASTM D7647 >3

1

0

ISO 4406 (c) >19/17/14 **A 21/20/16**

Particles >38µm

Particles >71µm

Oil Cleanliness

Contact/Location: Service Manager - LESNEW



OIL ANALYSIS REPORT

Particle Trend	-	FLUID DEGRAD	DATION	method	limit/base	e current	history1	history
4μm 4μm 5μm 14μm		Acid Number (AN)	mg KOH/g	ASTM D974*	3.32	1.49		
		VISUAL		method	limit/base	e current	history1	history
		White Metal	scalar	Visual*	NONE	NONE		
- Abnormal		Yellow Metal	scalar	Visual*	NONE	NONE		
		Precipitate	scalar	Visual*	NONE	NONE		
Nov9/23	Nov9/23	Silt	scalar	Visual*	NONE	NONE		
20	No	Debris	scalar	Visual*	NONE	NONE		
Viscosity @ 100°C		Sand/Dirt	scalar	Visual*	NONE	NONE		
1		Appearance	scalar	Visual*	NORML NORML	NORML		
		Odor Emulsified Water	scalar scalar	Visual* Visual*	>0.05	NORML NEG		
Abnormal		Free Water	scalar	Visual*	>0.05	NEG		
Base								
Abnormal		FLUID PROPE	RTIES	method	limit/base	e current	history1	history
		Visc @ 40°C	cSt	ASTM D7279(m)	35.38	38.7		
9/23 +	Nov9/23	Visc @ 100°C	cSt	ASTM D7279(m)	6.28	6.5		
Nav9/23	Nov	Viscosity Index (VI)	Scale	ASTM D2270*	128	120		
Acid Number		SAMPLE IMAG	ES	method	limit/base	e current	history1	history
Base		Color					no image	no image
Nov3/23 -	Nov9/23	Bottom					no image	no image
Nov	Nov	GRAPHS						
Viscosity @ 100°C		Ferrous Alloys			491,	A Particle Count		
		iron			122,			
a	bhm	5 - nickel				Severe		
Abnormal		0			30,			
Base 		Nav9/23			v9/2	580 Abnormal		
Abnomal		No				920-	:	
		Non-ferrous Metal	s		: particles	180	<u>\</u>	
- 15/2/0		copper			number of	120		
Nov	mqq	5- 5-			unu	30-		
Viscosity @ 40°C		0				8-		
Abnormal		Nav9/23			v9/23	2-		
0					Nov	0 4µ 6µ	14µ 21µ	38µ 71
		Viscosity @ 40°C			(B/H	Acid Number		
Base		Abnormai			23	4.0 Base	****	
	St (40	40 Base			ther (n	2.0		
Abnormal		30 4			- Num	0.0		
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