

OIL ANALYSIS REPORT

Sample Rating Trend





Component Rear Differential

CHEVRON RPM SYNTHETIC GEAR 75W90 (3 mls)

DIAGNOSIS

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.

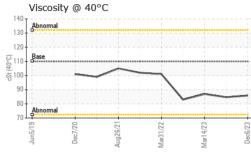
Fluid Condition

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

SAMPLE INFORMATION method limitbase current history1 history2 Sample Number Client Info 06 Dec 2023 25 Jul 2023 14 Mar 2023 Machine Age mis Client Info 248163 248163 248163 Oil Age mis Client Info 71725 71725 71725 Oil Changed Client Info NA NA NA Sample Status Imit Info NICA NA NA CONTAMINATION method Imit Info Current history1 history2 Water WC Method >.2 NEG NEG NEG Vetar WC Method >.2 NEG NEG Neg Othornium ppm ASTM D5185m 10 1 3 -1 Nickel ppm ASTM D5185m 25 3 9 3 Silver ppm ASTM D5185m 25 3 9 3 Copper ppm ASTM D5185m				11 11 11			
Sample Date Client Info 06 Dec 2023 25 Jul 2023 14 Mar 2023 Machine Age mis Client Info 248163 248163 248163 Oil Age mis Client Info 71725 71725 71725 Oil Charged Client Info N/A N/A N/A Sample Status Imit Dass current Nistory1 Nistory2 Water WC Method >.2 NEG NEG NEG WEAR METALS method Imit/base current Nistory1 Nistory2 Iron ppm ASTM 05186n >10 1 3 <1 Nickel ppm ASTM 05186n >10 <1 <1 <1 Nickel ppm ASTM 05186n >25 3 9 3 Lead ppm ASTM 05186n >10 0 0 0 Copper ppm ASTM 05186n >10 0 0 0 Copper ppm AST	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Machine Age mis Client Info 248163 248163 248163 248163 Oil Age mis Client Info N/A N/A N/A Oil Changed Client Info N/A N/A N/A N/A Sample Status Image Image Image NEG NEG NEG Water WC Method >.2 NEG NEG NEG NEG Weter WC Method >.2 NEG NEG NEG NEG Weter WC Method >.2 NEG NEG NEG NEG Iron ppm ASTM DSISS >500 164 291 109 Chromium ppm ASTM DSISS >10 -1 1 0 Titanium ppm ASTM DSISS >25 -1 0 0 0 Cadmium ppm ASTM DSISS >25 -1 0 0 0 Cadmium ppm ASTM DSISS >1	Sample Number		Client Info		PCA0111660	PCA0101872	PCA0087478
Oil Age mis Client Info 71725	Sample Date		Client Info		06 Dec 2023	25 Jul 2023	14 Mar 2023
Oil ChangedClient InfoN/AN/AN/AN/ASample StatusIImit/basecurrentABNORMALABNORMALNORMALCONTAMINATIONmethodimit/basecurrenthistory1history2WaterWC Method>.2NEGNEGNEGWEAR METALSmethodimit/basecurrenthistory1history2IronppmASTM D5185m>500164291109ChromiumppmASTM D5185m>10-110TitaniumppmASTM D5185m>10-110NickelppmASTM D5185m>25393LeadppmASTM D5185m>25-100CopperppmASTM D5185m>10000VanadiumppmASTM D5185m>10000VanadiumppmASTM D5185m0000VanadiumppmASTM D5185m239267220BariumppmASTM D5185m162020MolybdenumppmASTM D5185m162020ManganeseppmASTM D5185m1147192187PhosphorusppmASTM D5185m1147192187PhosphorusppmASTM D5185m75308423SodiumppmASTM D5185m75308423Sodiumppm <t< th=""><th>Machine Age</th><th>mls</th><th>Client Info</th><th></th><th>248163</th><th>248163</th><th>248163</th></t<>	Machine Age	mls	Client Info		248163	248163	248163
Sample Status NORMAL ABNORMAL NORMAL <	Oil Age	mls	Client Info		71725	71725	
CONTAMINATION method imit/base current history1 history2 Water WC Method >.2 NEG NEG NEG Wear WC Method >.2 NEG NEG NEG Wear method imit/base current history1 history2 Iron ppm ASTM D5185m >500 164 291 109 Chromium ppm ASTM D5185m >10 <1 1 0 Silver ppm ASTM D5185m >10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 1 <1	Oil Changed		Client Info		N/A	N/A	N/A
Water WC Method >.2 NEG NEG NEG Wear method limi/base current history1 history2 Iron ppm ASTM D5185m >500 164 291 109 Chromium ppm ASTM D5185m >10 1 3 <1 Nickel ppm ASTM D5185m >10 <1 1 0 Silver ppm ASTM D5185m >25 3 9 3 Lead ppm ASTM D5185m >25 <1 0 0 Copper ppm ASTM D5185m >100 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 16 20 20 Margaesium ppm ASTM D5185m 147 192 187 Phosphoru	Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >500 164 291 109 Chromium ppm ASTM D5185m >10 1 3 <1 Nickel ppm ASTM D5185m <1 <1 1 0 Titanium ppm ASTM D5185m >25 3 9 3 Lead ppm ASTM D5185m >25 3 9 3 Lead ppm ASTM D5185m >100 <1 <1 <1 <1 Tin ppm ASTM D5185m >100 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnese ppm ASTM D5185m <	CONTAMINAT	ION	method	limit/base	current	history1	history2
Iron ppm ASTM D5185m >500 164 291 109 Chromium ppm ASTM D5185m >10 1 3 <1 Nickel ppm ASTM D5185m >10 <1 1 0 Titanium ppm ASTM D5185m <10 <1 <1 0 Silver ppm ASTM D5185m >25 3 9 3 Lead ppm ASTM D5185m >25 <1 0 0 Copper ppm ASTM D5185m >100 <1 <1 <1 <1 Tin ppm ASTM D5185m >100 <1 0 0 0 Cadmium ppm ASTM D5185m <10 0 0 0 0 Cadmium ppm ASTM D5185m 239 267 220 20 Barium ppm ASTM D5185m 16 20 20 16 Magnesium ppm ASTM D5185m	Water		WC Method	>.2	NEG	NEG	NEG
Chromium ppm ASTM D5185m >10 1 3 <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >10 <1	Iron	ppm	ASTM D5185m	>500	164	291	109
Nickel ppm ASTM D5185m >10 <1	Chromium		ASTM D5185m	>10	1	3	<1
Titanium ppm ASTM D5185m <1	Nickel		ASTM D5185m	>10	<1	1	0
Aluminum ppm ASTM D5185m >25 3 9 3 Lead ppm ASTM D5185m >25 <1 0 0 Copper ppm ASTM D5185m >100 <1 <1 <1 Tin ppm ASTM D5185m >100 0 0 0 Cadmium ppm ASTM D5185m <10 0 0 0 Cadmium ppm ASTM D5185m <1 0 0 0 Cadmium ppm ASTM D5185m 239 267 220 Boron ppm ASTM D5185m 16 20 20 Maganese ppm ASTM D5185m 16 20 20 Maganesum ppm ASTM D5185m 1180 1284 1257 Zinc ppm ASTM D5185m 1180 1284 1257 Zinc ppm ASTM D5185m 21419 22729 24249 CONTAMINANTS method	Titanium	ppm	ASTM D5185m		<1	<1	<1
Aluminum ppm ASTM D5185m >25 3 9 3 Lead ppm ASTM D5185m >25 <1 0 0 Copper ppm ASTM D5185m >100 <1 <1 <1 Tin ppm ASTM D5185m >100 0 0 0 Cadmium ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m <10 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 239 267 220 Barium ppm ASTM D5185m 16 20 20 Magnese ppm ASTM D5185m 180 1284 1257 Calcium ppm ASTM D5185m 1180 1284 1257 Zinc ppm ASTM D5185m 21419 2729 24249 CONTAMINANTS	Silver		ASTM D5185m		0	0	0
LeadppmASTM D5185m<>25<1	Aluminum		ASTM D5185m	>25	3	9	3
CopperppmASTM D5185m>100<1	Lead		ASTM D5185m	>25	<1	0	0
TinppmASTM D5185m>10000VanadiumppmASTM D5185m000CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m239267220BariumppmASTM D5185m000MolybdenumppmASTM D5185m162020MaganeseppmASTM D5185m597771CalciumppmASTM D5185m597771CalciumppmASTM D5185m116143131PhosphorusppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>753084423SodiumppmASTM D5185m20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONESiltscalar*	Copper		ASTM D5185m	>100	<1	<1	<1
CadmiumppmASTM D5185m000ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m239267220BariumppmASTM D5185m0000MolybdenumppmASTM D5185m162020ManganeseppmASTM D5185m162020MagnesiumppmASTM D5185m597771CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75308423SodiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscala	Tin	ppm	ASTM D5185m	>10	0	0	0
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m239267220BariumppmASTM D5185m000MolybdenumppmASTM D5185m162020ManganeseppmASTM D5185m231MagnesiumppmASTM D5185m597771CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75308423SodiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONESilitscalar*VisualNONENONENONENONENONESilitscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESilitscalar*VisualNONENONENONENONENONESand/Diritscalar*VisualNONENONE <th>Vanadium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th><1</th> <th>0</th> <th>0</th>	Vanadium	ppm	ASTM D5185m		<1	0	0
Boron ppm ASTM D5185m 239 267 220 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 16 20 20 Manganese ppm ASTM D5185m 2 3 1 Magnesium ppm ASTM D5185m 59 77 71 Calcium ppm ASTM D5185m 147 192 187 Phosphorus ppm ASTM D5185m 1180 1284 1257 Zinc ppm ASTM D5185m 21419 22729 24249 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >75 30 84 23 Sodium ppm ASTM D5185m >20 0 2 0 VISUAL method limit/base current history1 history2 White Metal scalar "Visual <t< th=""><th>Cadmium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></t<>	Cadmium	ppm	ASTM D5185m		0	0	0
BariumppmASTM D5185m0000MolybdenumppmASTM D5185m162020ManganeseppmASTM D5185m231MagnesiumppmASTM D5185m597771CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75308423SodiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLConceptified Waterscalar*VisualNORMLNORMLNORMLNORMLConceptified Waterscalar*Visual <t< th=""><th>ADDITIVES</th><th></th><th>method</th><th>limit/base</th><th>current</th><th>history1</th><th>history2</th></t<>	ADDITIVES		method	limit/base	current	history1	history2
MolybdenumppmASTM D5185m162020ManganeseppmASTM D5185m231MagnesiumppmASTM D5185m597771CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>75308423SodiumppmASTM D5185m>200<19PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAgreearancescalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORML	Boron	ppm	ASTM D5185m		239	267	220
ManganeseppmASTM D5185m231MagnesiumppmASTM D5185m597771CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7530▲ 8423SodiumppmASTM D5185m>200<10PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAstructurescalar*VisualNONENONENONENONEAstructurescalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONEAstructurescalar*VisualNONENONENONENONEAstructurescalar*VisualNONE <t< th=""><th>Barium</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>0</th><th>0</th><th>0</th></t<>	Barium	ppm	ASTM D5185m		0	0	0
MagnesiumppmASTM D5185m597771CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7530& 8423SodiumppmASTM D5185m>7530& 8423SodiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar <t< th=""><th>Molybdenum</th><th>ppm</th><th>ASTM D5185m</th><th></th><th>16</th><th>20</th><th>20</th></t<>	Molybdenum	ppm	ASTM D5185m		16	20	20
CalciumppmASTM D5185m147192187PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>7530▲8423SodiumppmASTM D5185m<>7530▲8423PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLConceptified Waterscalar*VisualNORMLNORMLNORMLNORMLNORMLFree Waterscalar*Visual>.2NEGNEGNEGNEG	Manganese	ppm	ASTM D5185m		2	3	1
PhosphorusppmASTM D5185m118012841257ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>7530▲ 8423SodiumppmASTM D5185m>7530▲ 8423PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLConcscalar*VisualNORMLNORMLNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLConcscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGNEG	Magnesium	ppm	ASTM D5185m		59	77	71
ZincppmASTM D5185m116143131SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>75308423SodiumppmASTM D5185m00<1PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLConcscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLCorscalar*VisualNORMLNORMLNORMLNORMLCorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar <th>Calcium</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>147</th> <th>192</th> <th>187</th>	Calcium	ppm	ASTM D5185m		147	192	187
SulfurppmASTM D5185m214192272924249CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>7530<▲ 8423SodiumppmASTM D5185m>7530▲ 8423PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONELIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Phosphorus	ppm	ASTM D5185m		1180	1284	1257
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m<>7530▲8423SodiumppmASTM D5185m00<1PotassiumppmASTM D5185m<>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONELIGHTYellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLCodorscalar*VisualNORMLNORMLNORMLNORMLFree Waterscalar*Visual>.2NEGNEGNEG	Zinc	ppm	ASTM D5185m		116	143	131
SiliconppmASTM D5185m<>7530▲ 8423SodiumppmASTM D5185m00<1PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONELIGHTYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGNEG	Sulfur	ppm	ASTM D5185m		21419	22729	24249
SodiumppmASTM D5185m00<1	CONTAMINAN	TS	method	limit/base	current	history1	history2
PotassiumppmASTM D5185m>20020VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONELIGHTYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONEMODERNONEDebrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Silicon	ppm	ASTM D5185m	>75	30	A 84	23
VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONELIGHTYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONEMODERNONEDebrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Sodium	ppm	ASTM D5185m		0	0	<1
White Metalscalar*VisualNONENONENONELIGHTYellow Metalscalar*VisualNONENONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONEMODERNONEDebrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEG	Potassium	ppm	ASTM D5185m	>20	0	2	0
Yellow Metalscalar*VisualNONENONENONENONEPrecipitatescalar*VisualNONENONENONENONENONESiltscalar*VisualNONENONEMODERNONEDebrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	VISUAL		method	limit/base	current	history1	history2
Precipitatescalar*VisualNONENONENONENONESiltscalar*VisualNONENONEMODERNONEDebrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Siltscalar*VisualNONENONEMODERNONEDebrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Debrisscalar*VisualNONENONENONELIGHTSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNegNEGNEG	Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualMEGNEGNEGNEG	Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Appearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Odorscalar*VisualNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGNEGFree Waterscalar*VisualNEGNEGNEGNEG	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEGNEG	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Free Water scalar *Visual NEG NEG	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG
1:39:42) Rev: 1 Submitted By: DAVID WEBB	Free Water	scalar	*Visual		NEG	NEG	NEG
	1:39:42) Rev: 1					Submitted By	: DAVID WEBB



OIL ANALYSIS REPORT



	FLUID PROP	ERTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	110	85.9	84.7	86.9
	SAMPLE IMA	GES	method	limit/base	current	history1	history2
	Color				no image	no image	no image
Mar14/23 Dec6/23	Bottom				no image	no image	no image
	GRAPHS						
udd	Non-ferrous Met	Aug26/21 (Ma31/22 &	Mari 4/23	Dec6/23 Dec6/23			
	Abnormal						
	120 110 Base 100 90 Abnomal 70 6/Sun 02/C390	Aug26/21+	Mart 4/23	Dec6/23			
Laboratory Sample No. Lab Number Unique Number Test Package	: WearCheck USA - : PCA0111660 : 06040855 : 10796084 : FLEET	501 Madis Recieved Diagnose Diagnost	d : 20 [ed : 22 [ry, NC 2751: Dec 2023 Dec 2023 Baldridge			



* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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