

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id DT796

Component Front Differential

CHEVRON DELO SYNTHETIC GEAR 75W90 (--- QTS)

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 fluid.

Fluid Condition

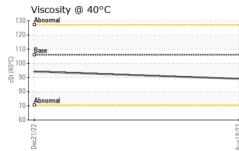
The condition of the fluid is acceptable for the time in service.

Sample Number Client Info PCA0074017 PCA0080982 Sample Date Client Info 18 Aug 2023 21 Dec 2022 Machine Age mis Client Info 103036 78459 Oil Age mis Client Info 24577 78459 Oil Changed Client Info Nort Changd Changed CONTAMINATION method Imit/base current history1 history2 Water WC Method >.2 NEG NEG WEAR METALS method Imit/base current history1 history2 Inn ppm ASTM 05156n >500 83 187 Nickel ppm ASTM 05156n >10 -1 1 Nickel ppm ASTM 05156n >20 <1 Silver ppm ASTM 05156n 20 <1 Copper ppm ASTM 05156n							
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Machine Age mis Client Info 13338 78459 Oil Age mis Client Info Not Changd Sample Status I NORMAL ABNORMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >.2 NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM 05185n >500 83 187 Nickel ppm ASTM 05185n >10 -1 1 Nickel ppm ASTM 05185n >25 0 -1 Copper ppm ASTM 05185n >25 0 Cadmium ppm ASTM 05185n >10 0 0 Cadmium ppm ASTM 05185n 0 0 Cadmium	Sample Number		Client Info		PCA0074017	PCA0080982	
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LeadppmASTM D5185m<>250<1	Silver	ppm	ASTM D5185m		0	0	
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Boron ppm ASTM D5185m 201 252 Barium ppm ASTM D5185m 0 0 Molybdenum ppm ASTM D5185m 11 <1 Manganese ppm ASTM D5185m 120 <1 Magnesium ppm ASTM D5185m 120 <1 Calcium ppm ASTM D5185m 176 6 Calcium ppm ASTM D5185m 1439 1395 Zinc ppm ASTM D5185m 176 8 Sulfur ppm ASTM D5185m 1439 1395 Sulfur ppm ASTM D5185m 23480 25056 Sodium ppm ASTM D5185m >75 12 46 Sodium ppm ASTM D5185m >20 0 3 VISUAL method limit/base current history1<	Cadmium	ppm	ASTM D5185m		0	0	
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CalciumppmASTM D5185m1766PhosphorusppmASTM D5185m14391395ZincppmASTM D5185m1768SulfurppmASTM D5185m2348025056CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>751246SodiumppmASTM D5185m>751246PotassiumppmASTM D5185m>2003VISUALmethodlimit/basecurrenthistory1history2White Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESiltscalar*VisualNONENONENONESedar*VisualNONENONENONESiltscalar*VisualNONENONEDebrisscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLQdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar <th>Manganese</th> <th>ppm</th> <th>ASTM D5185m</th> <th></th> <th>2</th> <th>21</th> <th></th>	Manganese	ppm	ASTM D5185m		2	21	
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Yellow Metalscalar*VisualNONENONENONEPrecipitatescalar*VisualNONENONENONESiltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONEMODERSand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEG	VISUAL		method	limit/base	current	history1	history2
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Siltscalar*VisualNONENONENONEDebrisscalar*VisualNONENONEMODERSand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEG	Precipitate	scalar	*Visual	NONE		NONE	
Debrisscalar*VisualNONENONEMODERSand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEG	· ·		*Visual	NONE	NONE	NONE	
Sand/Dirtscalar*VisualNONENONENONEAppearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualMEGNEG	Debris	scalar	*Visual			A MODER	
Appearancescalar*VisualNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLEmulsified Waterscalar*Visual>.2NEGNEGFree Waterscalar*VisualNEGNEG							
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Emulsified Water scalar *Visual >.2 NEG NEG Free Water scalar *Visual NEG NEG							
Free Water scalar *Visual NEG							
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OIL ANALYSIS REPORT

FLUID PROPERTIES method limit/base



Aug 18/23	Visc @ 40°C SAMPLE IMA	cSt AGES	ASTM D445 method	106 limit/base	89.1	94.2	
18/23	SAMPLE IMA	AGES	method	limit/base	ourropt	biotomit	
18/23					current	history1	history2
18/2:	Color				no image	no image	no image
Aug	Bottom				no image	no image	no image
	GRAPHS						
	Ferrous Alloys						
	200 180 160 140 120 5 100 80 60 40	<u> </u>		/			
	20 0 27/12240 Non-ferrous Met	tals		Aug18/23			
	40 - copper 35 - tin						
	30 E 25 20						
	15						
	5						
	Dec21/22			Aug18/23			
	Viscosity @ 40°	с					
	120						
	110 - Base						
	· · · · · · · · · · · · · · · · · · ·						
	80						
	70 - Abnormal						
	Dec21/22 09			Aug18/23 +			
	Deci			Aug			
Unique Number Test Package s sample repor	r : <mark>06105520</mark> r : 10903750	Rece Teste Diagr	ived : 29 ed : 01 nosed : 04 800-237-1369	9 Feb 2024 I Mar 2024 Mar 2024 - Doi 9.		Contac	REER DIVISION RS BRIDGE RD DUNCAN, SC US 29334 ct: Matt Quinlar @nwwhite.com