

WEAR	
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

8574043 Component Diesel Engine Fluid CHEVRON DELO 400 SAE 10W30 (--- GAL)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0019048	RPL0014625	RPL0005117
Sample Date		Client Info		17 Jun 2024	16 Nov 2023	16 Dec 2022
Machine Age	hrs	Client Info		5817	4849	126424
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	12	38	34
Chromium	ppm	ASTM D5185m	>20	<1	4	2
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	4	6	8
Lead	ppm	ASTM D5185m	>40	0	3	6
Copper	ppm	ASTM D5185m	>330	0	<1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	2
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Ciliana			05	<u>^</u>	~	~
						7
	ppm					19
						<1.0 NEG
			>0.2			NEG
	0/		. 2			0.4
						10.4
						21.7
						NONE
						NONE
						NONE
						NORML
						NORML
						NEG
Sodium	ppm	ASTM D5185m		2	2	2
						26
	ppm					0
,	ppm					6
-						<1
-						665
			1000			1353
						678
			1400			826
Sultur	ppm	ASTM D5185m		2678	2863	3071
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water	Sample NumberSample DateMachine AgehrsOil AgehrsFilter AgehrsOil ChangedFilter ChangedFilter Changedsample StatusIronppmChromiumppmNickelppmTitaniumppmSilverppmAluminumppmLeadppmVanadiumppmVanadiumppmVanadiumppmVaterGlycolSoot %%NitrationAbs/cmSulfationAbs/cmSulfationAbs/lmmSiltscalarCopperppmVanadiumppmVanadiumppmSample StatusscalarSiliconppmFuelscalarSoot %%NitrationAbs/cmSulfationscalarSodifscalarSand/DirtscalarAppearancescalarSodiumppmManganeseppmManganeseppmManganeseppmPhosphorusppmZincppm	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoSample StatusSilverIronppmASTM D5185mChromiumppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mFuelWC MethodSiliconppmASTM D5185mFuelWC MethodSoot %%*ASTM D5185mFuelWC MethodSiltscalar*VisualYellow Metalscalar*VisualSiltscalar*VisualSoot %%*ASTM D7844NitrationAbs/:1mm*ASTM D7844NitrationAbs/:1mm*ASTM D7844Siltscalar*VisualSodiumppmASTM D5185mBoronppmASTM D5185mBariumppmASTM D5185mManganeseppmASTM D5185mMagnesiumppmASTM D5185mPhosphorusppmASTM D5185mZinc	Sample NumberClient InfoSample DateClient InfoMachine AgehrsClient InfoOil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusSample StatusIronppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mYellow Metalscalar*VisualVonteyellow MetalscalarSiliconppmASTM D5185mSiliconppmASTM D5185mSodi %%*ASTM D7624Soot %%*ASTM D7624SulfationAbs/rmm*ASTM D7624Appearancescalar*VisualNORESand/DiritscalarAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualAppearancescalar*VisualMolybdenumppmASTM D5185mBariumppmASTM D5185m <t< th=""><td>Sample NumberClient InfoRPL0019048Sample DateClient Info17 Jun 2024Machine AgehrsClient Info5817Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedIronppmASTM D5185m>20NickelppmASTM D5185m>20NickelppmASTM D5185m>3O12ChromiumppmNickelppmASTM D5185m>20AluminumppmASTM D5185m>3OOCopperppmASTM D5185m>30OTinppmASTM D5185m>20VanadiumppmASTM D5185m>30OONONENONEYellow Metalscalar*VisualNONESiliconppmASTM D5185m>208FuelWC Method>0>0Sot %%*ASTM D7624>20Sot %%*ASTM D7624>20Silitscalar*VisualNONENoneAss/inm*ASTM D7624>20Sot %%*ASTM D7624>20Sot %%*ASTM D7624>20Silitscalar*VisualNONENoneAss/inm*ASTM D7624>20Sand/Dirtscalar*Vis</td><td>Sample NumberClient InfoRPL0014028RPL0014025Sample DateClient Info17 Jun 202416 Nov 2023Machine AgehrsClient Info58174849Oil AgehrsClient Info00Filter AgehrsClient Info00Oil ChangedClient InfoChangedN/AFilter ChangedClient InfoChangedN/ASample StatusVision>101238IronppmASTM D5185m>20<1</td>4NickelppmASTM D5185m>20<14NickelppmASTM D5185m>3000SilverppmASTM D5185m>30003CopperppmASTM D5185m>3300<11TinppmASTM D5185m>3300<11VanadiumppmASTM D5185m>3300<11VanadiumppmASTM D5185m>20818Fuelow Metalscalar*VisualNONENONENONEVellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>20816GlycolWC Method>5<1.0<1.0<5VatadiumppmASTM D7843>300.40.5SilitonAbs/tmmASTM D7844>30.40.5Soot %%YASTM D7845<</t<>	Sample NumberClient InfoRPL0019048Sample DateClient Info17 Jun 2024Machine AgehrsClient Info5817Oil AgehrsClient Info0Filter AgehrsClient Info0Oil ChangedClient InfoChangedFilter ChangedClient InfoChangedSample StatusClient InfoChangedIronppmASTM D5185m>20NickelppmASTM D5185m>20NickelppmASTM D5185m>3O12ChromiumppmNickelppmASTM D5185m>20AluminumppmASTM D5185m>3OOCopperppmASTM D5185m>30OTinppmASTM D5185m>20VanadiumppmASTM D5185m>30OONONENONEYellow Metalscalar*VisualNONESiliconppmASTM D5185m>208FuelWC Method>0>0Sot %%*ASTM D7624>20Sot %%*ASTM D7624>20Silitscalar*VisualNONENoneAss/inm*ASTM D7624>20Sot %%*ASTM D7624>20Sot %%*ASTM D7624>20Silitscalar*VisualNONENoneAss/inm*ASTM D7624>20Sand/Dirtscalar*Vis	Sample NumberClient InfoRPL0014028RPL0014025Sample DateClient Info17 Jun 202416 Nov 2023Machine AgehrsClient Info58174849Oil AgehrsClient Info00Filter AgehrsClient Info00Oil ChangedClient InfoChangedN/AFilter ChangedClient InfoChangedN/ASample StatusVision>101238IronppmASTM D5185m>20<1

Oxidation

Visc @ 100°C cSt

Abs/.1mm *ASTM D7414 >25

ASTM D445 11.1

Base Number (BN) mg KOH/g ASTM D2896 10.1

16.1

6.3

10.4

16.6

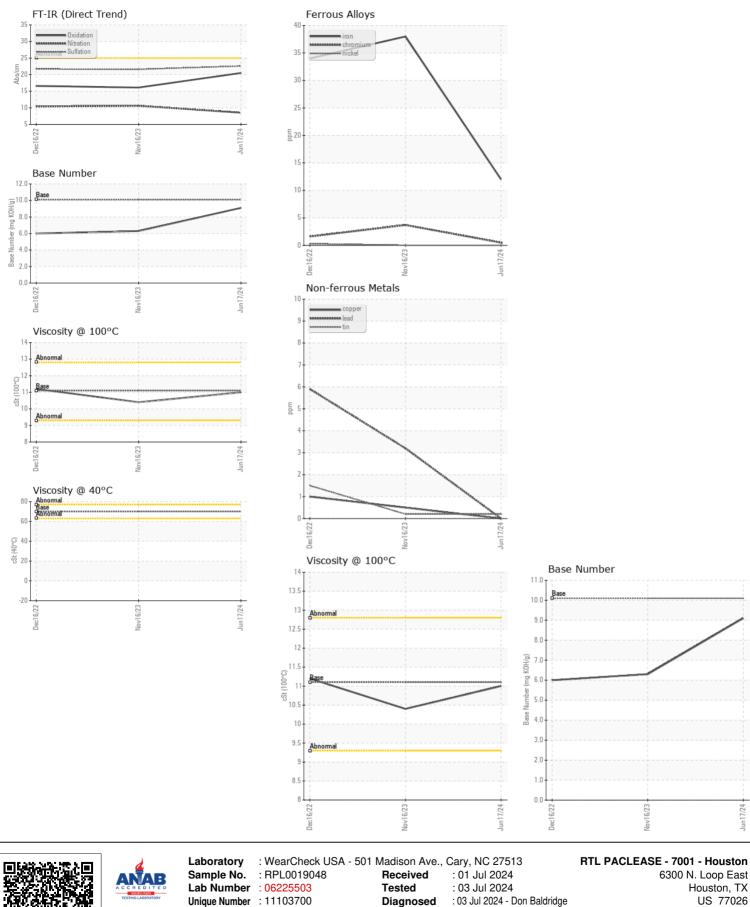
11.2

6.0

20.5

9.1

11.0



 Centificate L2367
 Test Package
 : FLEET (Additional Tests: KV40)

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 * - 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)

Contact/Location: RODNEY BRIGGS - PAC7001 Page 2 of 2

Contact: RODNEY BRIGGS

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