

Machine Id **AV south agg belt** Component **Gearbox** Fluid **CHEVRON RANDO HD 68 (--- GAL)**

RECOMMENDATION

No corrective action is recommended at this time. 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

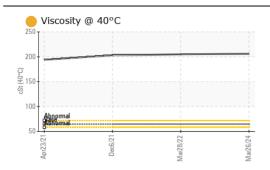
Viscosity of sample indicates oil is within ISO 220 range, advise investigate. Confirm oil type. The condition of the oil is acceptable for the time in service.

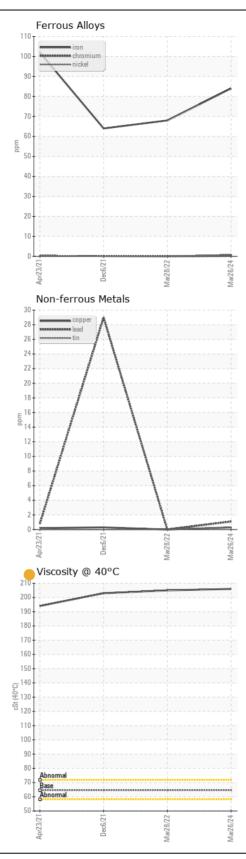
Sample DateClient Info26 Mar 202428 Mar 202206 Dec 2024Machine AgehrsClient Info0000Oil AgehrsClient Info0000Filter AgehrsClient InfoNot ChangdNot ChangdN/AFilter ChangedClient InfoNot ChangdNot ChangdN/AFilter ChangedClient InfoNot ChangdNot ChangdN/ASample StatusClient InfoN/AATTENTIONABNORMALIronppmASTM D5185m>200846864ChromiumppmASTM D5185m>10<10<1NickelppmASTM D5185m>10<10<1NickelppmASTM D5185m>10<10<1AuminumppmASTM D5185m>25332LeadppmASTM D5185m>5010<1NadaiumppmASTM D5185m>10<10<1VanadiumppmASTM D5185m>10<10<1VanadiumppmASTM D5185m>10<10<1Yellow Metalscala*VisualNONENONENONENONESiliconppmASTM D5185m>50412320PotassiumppmASTM D5185m>504100SiliconppmASTM D5185m>504100							
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Machine Age Oil Age hrsClient InfoO00Oil Age Filter AgehrsClient InfoO00Filter AgehrsClient InfoNot ChangedNot ChangedN/AFilter ChangedClient InfoN/AN/AN/ASample StatusClient InfoN/AN/AN/AIronppmASTM D5185>2008466864ChromiumppmASTM D5185>10<10<1NickelppmASTM D5185>10<10<1NickelppmASTM D5185>10<10<1SilverppmASTM D5185>5010<1AluminumppmASTM D5185>5010<1AgrandiumppmASTM D5185>10<10<1Yellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185>204100Vellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185>204100Vellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185>204100Vellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185>20410NONE	Sample Number		Client Info		PCA0082754	PCA0069543	PCA0052968
Oil Age Filter AgehrsClient Info000Filter AgehrsClient InfoNANAChangdN/AFilter ChangedIClient InfoN/AN/AN/ASample StatusClient InfoN/AN/AN/AIronppmASTM D5185>200846864ChromiumppmASTM D5185>10<10<1NickelppmASTM D5185>10<10<1NickelppmASTM D5185<10<10SilverppmASTM D51855010<1AuminumppmASTM D5185>5010<1AluminumppmASTM D5185>5010<1TinppmASTM D5185>50100<1TinppmASTM D5185>501000VandaulumppmASTM D5185>501000Valder Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185>50412320PotassiumppmASTM D5185>50412320PotassiumppmASTM D5185>50412320PotassiumppmASTM D5185>504100SiliconppmASTM D5185>50100Sodium <t< th=""><th>Sample Date</th><th></th><th>Client Info</th><th></th><th>26 Mar 2024</th><th>28 Mar 2022</th><th>06 Dec 2021</th></t<>	Sample Date		Client Info		26 Mar 2024	28 Mar 2022	06 Dec 2021
Filter Age Di Client InfoDDDDClient InfoNot ChangdNot ChangdN/AN/AFilter ChangedClient InfoN/AN/AN/ASample StatusATTENTIONATTENTIONABNORMALIronppmASTM D5185m>20084688644ChromiumppmASTM D5185m>10<10<1NickelppmASTM D5185m>10<10<1NickelppmASTM D5185m>10<10<1SilverppmASTM D5185m>5010<1AluminumppmASTM D5185m>5010<1LeadppmASTM D5185m>10<10<1TinppmASTM D5185m>10<10<1VanadiumppmASTM D5185m>10<100VanadiumppmASTM D5185m>50100Vellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185m>50412320PotassiumppmASTM D5185m>50412320PotassiumppmASTM D5185m>504100SiliconppmASTM D5185m>50410NONESiliconppmASTM D5185m>50A00PotassiumppmASTM D5185m>50 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Machine Age	hrs	Client Info		0	0	0
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Sample StatusATTENTIONATTENTIONABNORMALIronppmASTM D5185m>200846.836.44ChromiumppmASTM D5185m>10<10<1NickelppmASTM D5185m>10<10.0<1NickelppmASTM D5185m>10<10.0<1SilverppmASTM D5185m>2033.32LeadppmASTM D5185m>20<10.0<1AluminumppmASTM D5185m>20<10.0<1TinppmASTM D5185m>20<10.0<1YanadiumppmASTM D5185m>10<1000VanadiumppmASTM D5185m>20<10.00VanadiumppmASTM D5185m>20A12.32.0Yellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>204400VaterWC Method>.2NEGNONENONENONESiliconppmASTM D5185m>204400VaterWC Method>.2NEGNONENONENONESiliconppmASTM D5185m>204400Debrisscalar*VisualNORENONENONENONEAppearancescalar*VisualNORENORENORENORE </th <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Not Changd</th> <th>Not Changd</th> <th>N/A</th>	Oil Changed		Client Info		Not Changd	Not Changd	N/A
Iron ppm ASTM D5185m >200 84 668 64 Chromium ppm ASTM D5185m >10 <1 0 <1 Nickel ppm ASTM D5185m >10 <1 0 <1 Nickel ppm ASTM D5185m >10 <1 0 <1 Silver ppm ASTM D5185m >25 3 33 2 Lead ppm ASTM D5185m >50 1 0 <1 Tin ppm ASTM D5185m >50 1 0 <1 Yellow Metal scalar *Visual NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NONE NONE NONE Yellow Metal <td< th=""><th>Filter Changed</th><th></th><th>Client Info</th><th></th><th>N/A</th><th>N/A</th><th>N/A</th></td<>	Filter Changed		Client Info		N/A	N/A	N/A
ChromiumppmASTM D5185m>10<1	Sample Status				ATTENTION	ATTENTION	ABNORMAL
ChromiumppmASTM D5185m>10<1	Iron	maa	ASTM D5185m	>200	84	68	64
NickelppmASTM D5185m>10<1	Chromium		ASTM D5185m	>10	<1	0	<1
TitaniumppmASTM D5185m<	Nickel		ASTM D5185m	>10	<1	0	0
Silver ppm ASTM D5185m >20 3 3 2 Lead ppm ASTM D5185m >50 1 0 29 Copper ppm ASTM D5185m >200 <1 0 29 Copper ppm ASTM D5185m >200 <1 0 <1 Tin ppm ASTM D5185m >10 <1 0 <1 Vanadium ppm ASTM D5185m >10 <1 0 0 0 White Metal scalar *Visual NONE NONE NONE NONE NONE NONE Yellow Metal scalar *Visual NONE NORE NORE NORE NORE NON	Titanium		ASTM D5185m		<1	0	<1
Aluminum ppm ASTM D5185m >25 3 3 2 Lead ppm ASTM D5185m >50 1 0 29 Copper ppm ASTM D5185m >200 <1 0 <1 Tin ppm ASTM D5185m >10 <1 0 0 0 Vanadium ppm ASTM D5185m >10 <1 0 0 0 Vanadium ppm ASTM D5185m >10 <10 0	Silver		ASTM D5185m		0	0	<1
Lead ppm ASTM D5185m >50 1 0 29 Copper ppm ASTM D5185m >200 <1	Aluminum		ASTM D5185m	>25	3	3	2
Tin ppm ASTM D5185m >10 <1	Lead	ppm	ASTM D5185m	>50	1	0	29
Vanadium ppm ASTM D5185m O O O White Metal scalar *Visual NONE NORM	Copper	ppm	ASTM D5185m	>200	<1	0	<1
White Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185m>50412320PotassiumppmASTM D5185m>20400WaterWC Method>0.2NEGNEGNEGSilitscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENORMLNONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLSodiumppmASTM D5185m0000BariumppmASTM D5185mI10<1ManganeseppmASTM D5185m2113330CalciumppmASTM D5185m23924SulfurppmASTM D5185m23924SulfurppmASTM D5185m23924	Tin	ppm	ASTM D5185m	>10	<1	0	0
Yellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m<>50412320PotassiumppmASTM D5185m<>20400WaterWC Method>0.2NEGNEGNEGSiltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONEMODEFSand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGSodiumppmASTM D5185m0000BariumppmASTM D5185m0001ManganeseppmASTM D5185m<110<1MagnesiumppmASTM D5185m2113330CalciumppmASTM D5185m4435538PhosphorusppmASTM D5185m23924SulfurppmASTM D5185m23924SulfurppmASTM D5185m23924	Vanadium	ppm	ASTM D5185m		0	0	0
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Potassium ppm ASTM D5185m >20 4 0 0 Water WC Method >0.2 NEG NEG NEG NEG Silt scalar *Visual NONE NONE NONE NONE NONE Debris scalar *Visual NONE NONE NONE NONE MODEF Sand/Dirt scalar *Visual NONE NONE NONE NONE NONE Appearance scalar *Visual NORML NORML <td< th=""><th>Silicon</th><th>nom</th><th>ASTM D5185m</th><th>>50</th><th>41</th><th>23</th><th>20</th></td<>	Silicon	nom	ASTM D5185m	>50	41	23	20
WaterWC Method>0.2NEGNEGNEGSiltscalar*VisualNONENONENONENONENONEDebrisscalar*VisualNONENONENONENONEMODEFSand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMNORMLNORMLNORMLNORMLOdorscalar*VisualNORMNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m0000BariumppmASTM D5185m110<1116ManganeseppmASTM D5185m211333030CalciumppmASTM D5185m264274313PhosphorusppmASTM D5185m23924SulfurppmASTM D5185m23924							
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Appearancescalar*VisualNORML<	Debris	scalar	*Visual	NONE	NONE	NONE	A MODER
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGNEGSodiumppmASTM D5185m00000BoronppmASTM D5185m474916BariumppmASTM D5185m0000MolybdenumppmASTM D5185m1001ManganeseppmASTM D5185m<1130<1130CalciumppmASTM D5185m211333038PhosphorusppmASTM D5185m264274313ZincppmASTM D5185m23924SulfurppmASTM D5185m144181541013957	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Water scalar *Visual >0.2 NEG NEG NEG Sodium ppm ASTM D5185m 0 0 0 Boron ppm ASTM D5185m 47 49 16 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 1 0 <1 Manganese ppm ASTM D5185m <1 <1 <1 Magnesium ppm ASTM D5185m 21 13 30 Calcium ppm ASTM D5185m 264 274 313 Phosphorus ppm ASTM D5185m 23 9 24 Sulfur ppm ASTM D5185m 14418 15410 13957	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sodium ppm ASTM D5185m 0 0 0 Boron ppm ASTM D5185m 47 49 16 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 Manganese ppm ASTM D5185m 1 0 <1 Magnesium ppm ASTM D5185m 21 13 30 Calcium ppm ASTM D5185m 44 35 38 Phosphorus ppm ASTM D5185m 264 274 313 Zinc ppm ASTM D5185m 23 9 24 Sulfur ppm ASTM D5185m 14418 15410 13957	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Boron ppm ASTM D5185m 47 49 16 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 1 0 <1	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Boron ppm ASTM D5185m 47 49 16 Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 1 0 <1 Manganese ppm ASTM D5185m 11 <1 <1 Magnesium ppm ASTM D5185m 21 13 30 Calcium ppm ASTM D5185m 44 35 38 Phosphorus ppm ASTM D5185m 264 274 313 Zinc ppm ASTM D5185m 23 9 24 Sulfur ppm ASTM D5185m 14418 15410 13957	Sodium	maa	ASTM D5185m		0	0	0
Barium ppm ASTM D5185m 0 0 0 Molybdenum ppm ASTM D5185m 1 0 <1			ASTM D5185m				
Molybdenum ppm ASTM D5185m 1 0 <1			ASTM D5185m				
Manganese ppm ASTM D5185m <1	Molybdenum		ASTM D5185m		1	0	<1
Calcium ppm ASTM D5185m 44 35 38 Phosphorus ppm ASTM D5185m 264 274 313 Zinc ppm ASTM D5185m 23 9 24 Sulfur ppm ASTM D5185m 14418 15410 13957	Manganese		ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 264 274 313 Zinc ppm ASTM D5185m 23 9 24 Sulfur ppm ASTM D5185m 14418 15410 13957	Magnesium		ASTM D5185m		21	13	30
Zinc ppm ASTM D5185m 23 9 24 Sulfur ppm ASTM D5185m 14418 15410 13957	Calcium	ppm	ASTM D5185m		44	35	38
Sulfur ppm ASTM D5185m 14418 15410 13957	Phosphorus	ppm	ASTM D5185m		264	274	313
	Zinc	ppm	ASTM D5185m		23	9	24
Visc @ 40°C cSt ASTM D445 64.6 206 205 203	Sulfur	ppm	ASTM D5185m		14418	15410	13957
	Visc @ 40°C	cSt	ASTM D445	64.6	e 206	205	203

Submitted By: senia zimmer

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION ATTENTION

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AVR - APPLE VALLEY READY MIX Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 14698 GALAXY AVE : PCA0082754 : 19 Apr 2024 Lab Number : 06155346 Tested : 24 Apr 2024 APPLE VALLEY, MN Unique Number : 10990769 Diagnosed : 24 Apr 2024 - Jonathan Hester US 55124 Test Package : FLEET Contact: COLE DAMBROTEN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. coledambroten@avrconcrete.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Т: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: