

## NOT GIVEN Machine Id HERTZ VD003642 - CRIST PROPANE Component Compressor

## RECOMMENDATION

We suspect abnormal contamination may be due to sampling method. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## **WEAR**

All component wear rates are normal.

## CONTAMINATION

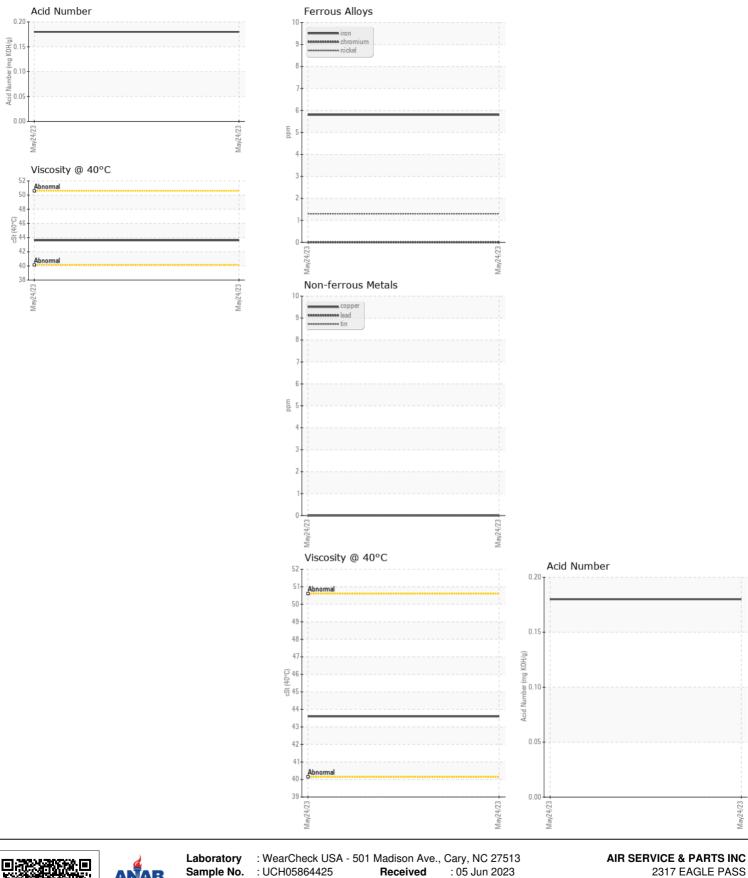
Moderate concentration of visible dirt/debris present in the oil.

FLU	$\mathbf{c}$		

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

TestUOMMethodLimit/ACurrentHistory1History2Sample NumberClient Info24 May 2023Sample DateClient Info0Machine AgeyrsClient Info0Oil AgeyrsClient InfoN/AFilter AgeyrsClient InfoN/ASample StatusClient InfoN/AFinter ChangedQClient InfoNot ChangeSample StatusClient InfoNot ChangeFinter ChangedpmASTM D5185m>506ChromiumppmASTM D5185m>100NickelppmASTM D5185m>250SilverppmASTM D5185m>250CopperppmASTM D5185m>10VanadiumppmASTM D5185m>250SilconppmASTM D5185m>251SilconppmASTM D5185m>251SilconppmASTM D5185m>251SilconppmASTM D5185m>251SilconppmASTM D5185m>251SilconppmASTM D5185m>251SilconppmASTM D5185m>251							
Sample DateClient Info24 May 202Machine AgeyrsClient Info0Oil AgeyrsClient Info0Filter AgeyrsClient Info0Oil ChangedClient Info0Not ChangFilter ChangedClient InfoNot ChangSample StatusClient InfoNot ChangSample StatusVNot ChangIronppmASTM D5185mNot ChangNickelppmASTM D5185m0NickelppmASTM D5185m0AluminumppmASTM D5185m>250SilverppmASTM D5185m>250CopperppmASTM D5185m>250VanadiumppmASTM D5185m>500VanduimppmASTM D5185m>250SilconppmASTM D5185m>250Yellow Metalscalar'VisualNONENONESilconppmASTM D5185m>251SilconppmASTM D5185m>250SilconppmASTM D5185m>250	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine AgeyrsClient Info0Oil AgeyrsClient Info0Filter AgeyrsClient InfoN/AOil ChangedClient InfoN/AFilter ChangedClient InfoNo ChangSample StatusClient InfoNo ChangIronppmASTM D5185>506ChromiumppmASTM D5185>100NickelppmASTM D5185>100NickelppmASTM D5185>200SilverppmASTM D5185>250AluminumppmASTM D5185>250VanadiumppmASTM D5185>250VanadiumppmASTM D5185>250VanadiumppmASTM D5185>250VanadiumppmASTM D5185>251VanadiumppmASTM D5185>251VanadiumppmASTM D5185>201VanadiumppmASTM D5185>201SiliconppmASTM D5185>201Solicon<	Sample Number		Client Info		UCH05864425		
Oil AgeyrsClient Info0Filter AgeyrsClient InfoN/AOil ChangedClient InfoNAFilter ChangedQClient InfoNAFilter ChangedQClient InfoNASample StatusNCRMALIronppmASTM D5185m5006ChromiumppmASTM D5185m100NickelppmASTM D5185m5001SilverppmASTM D5185m>2500AluminumppmASTM D5185m>2500VanadiumppmASTM D5185m>2500VanaduumppmASTM D5185m>2500VanaduumppmASTM D5185m>2500VanaduumppmASTM D5185m>2501ValdervisualNONENONEValdervisualNONENONEValdervisualNONENONEValdervisualNONENONEValdervisualNONENONESiliconppmAST	Sample Date		Client Info		24 May 2023		
Filter Age Oil ChangedVisc Client InfoN/AOil ChangedClient InfoNAFilter ChangedClient InfoNot ChangdSample StatusNORMALIronppmASTM D5185m>506NickelppmASTM D5185m>100NickelppmASTM D5185m>100NickelppmASTM D5185m>250SilverppmASTM D5185m>250AluminumppmASTM D5185m>250LeadppmASTM D5185m>500VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>251VanadiumppmASTM D5185m>251VanduppmASTM D5185m>251SiliconppmASTM D5185m>251SiliconppmASTM D5185m>20<1SiliconppmASTM D5185m>20<1SiliconppmASTM D5185m>20<1Silicon	Machine Age	yrs	Client Info		0		
Oil ChangedClient InfoIN/AFilter ChangedClient InfoNot ChangdSample StatusNORMALIronppmASTM D5185>506NickelppmASTM D5185>506NickelppmASTM D5185-10SilverppmASTM D5185-0AluminumppmASTM D5185>250LeadppmASTM D5185>500CopperppmASTM D5185>500TinppmASTM D5185>500VanadiumppmASTM D5185>500Yellow Metalscalar'VisualNONE1Yellow Metalscalar'VisualNONE1SiliconppmASTM D5185>201SiliconppmASTM D5185>201SiliconppmASTM D5185>20SiliconppmASTM D5185>20SiliconppmASTM D5185>20SoliconppmASTM D5185>20SiliconppmASTM D5185>2	Oil Age	yrs	Client Info		0		
Filter ChangedClient IndNot ChangdSample StatusClient InfoNot ChangdIronppmASTM D5185m5.006NickelppmASTM D5185m10NickelppmASTM D5185m1SilverppmASTM D5185m250AluminumppmASTM D5185m>250LeadppmASTM D5185m500CopperppmASTM D5185m>250VanadiumppmASTM D5185m>250VanadiumppmASTM D5185m>250Veltow Metalscalar'VisualNONENONEYellow Metalscalar'VisualNONENONESiliconppmASTM D5185m>20<1Silitscalar'VisualNONENONESolitscalar'VisualNONEMODEESilitscalar'VisualNONEMODESolitscalar'VisualNORMNORMSolitscalar'VisualNORMNORMSolitscalar'Vi	Filter Age	yrs	Client Info		0		
Sample Status  NORMAL      Iron  ppm  ASTM D5185  >50  6      Chromium  ppm  ASTM D5185  >10  0      Nickel  ppm  ASTM D5185  In  0      Silver  ppm  ASTM D5185  S0  0      Aluminum  ppm  ASTM D5185  >25  0      Lead  ppm  ASTM D5185  >25  0      Copper  ppm  ASTM D5185  >25  0      Vanadium  ppm  ASTM D5185  >25  0      Vanadium  ppm  ASTM D5185  >10       Vanadium  ppm  ASTM D5185  >25  1	Oil Changed		Client Info		N/A		
IronppmASTM D5185m>5066ChromiumppmASTM D5185m>1000NickelppmASTM D5185m1TitaniumppmASTM D5185m0SilverppmASTM D5185m200AluminumppmASTM D5185m>250LeadppmASTM D5185m>250CopperppmASTM D5185m>250YanadiumppmASTM D5185m>150VanadiumppmASTM D5185m>150VanadiumppmASTM D5185m>150Vellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>251SiliconppmASTM D5185m>20<1SilitonppmASTM D5185m>20<1Silitonscalar*VisualNONENONESand/Dirtscalar*VisualNORNORESodiumppmASTM D5185mNORNORESodiumppmASTM D5185mNORNORESodiumppmASTM D5185m </th <th>Filter Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Not Changd</th> <th></th> <th></th>	Filter Changed		Client Info		Not Changd		
Chromium NickelppmASTM D5185m ASTM D5185m0NickelppmASTM D5185m1TitaniumppmASTM D5185m0SilverppmASTM D5185m>250AluminumppmASTM D5185m>250LeadppmASTM D5185m>250CopperppmASTM D5185m>500VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>500VanadiumppmASTM D5185m>201VanadiumppmASTM D5185m>20<1Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1Silitscalar*VisualNONENONESilitscalar*VisualNONENONESand/Dirtscalar*VisualNONENORESodiumppmASTM D5185m<0BoronppmAS	Sample Status				NORMAL		
NickelpmASTM D5185mIII	Iron	ppm	ASTM D5185m	>50	6		
NickelppmASTM D5185mIII	Chromium	ppm	ASTM D5185m	>10	0		
TitaniumppmASTM D5185m0SilverppmASTM D5185m>250AluminumppmASTM D5185m>250LeadppmASTM D5185m>500CopperppmASTM D5185m>500VanadiumppmASTM D5185m>10VanadiumppmASTM D5185m10VanadiumppmASTM D5185m>20Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1Yellow Metalscalar*VisualNONENONESilitscalar*VisualNONENONESodiumscalar*VisualNONENONEAppearancescalar*VisualNORMNORMLSodiumppmASTM D5185m>0SodiumppmASTM D5185m>0BoronppmASTM D5185m<0MolybdenumppmASTM D5185m<0MagneseppmASTM D5185m<0 <t< th=""><th>Nickel</th><th></th><th>ASTM D5185m</th><th></th><th>1</th><th></th><th></th></t<>	Nickel		ASTM D5185m		1		
SilverppmASTM D5185m0AluminumppmASTM D5185m>250LeadppmASTM D5185m>250CopperppmASTM D5185m>500VanadiumppmASTM D5185m>150VanadiumppmASTM D5185m>150White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>251SiliconppmASTM D5185m>20<1WaterWC Method>0.1NEGSilitscalar*VisualNONEMODERSand/Dirtscalar*VisualNOREMODERAppearancescalar*VisualNORNORMLSodiumppmASTM D5185m<0BoronppmASTM D5185m<0MatybelenumppmASTM D5185m<0ManganeseppmASTM D5185m<0ManganeseppmASTM D5185m<2ManganesippmASTM D51	Titanium		ASTM D5185m		0		
AluminumppmASTM D5185m>250LeadppmASTM D5185m>250CopperppmASTM D5185m>500TinppmASTM D5185m>150VanadiumppmASTM D5185m>150White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>251Yellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1WaterWC Method>0.1NEGSilitscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMODERAppearancescalar*VisualNORHNORMLSodiumppmASTM D5185m<<1BoronppmASTM D5185m<0MalybdenumppmASTM D5185m<<1ManganeseppmASTM D5185m<<10ManganeseppmASTM D5185m<21Mangan					0		
LeadppmASTM D5185m>250CopperppmASTM D5185m>500TinppmASTM D5185m>150VanadiumppmASTM D5185m>150White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1VaterWC Method>0.1NEGSilitscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMODERAppearancescalar*VisualNORENORMLSodiumppmASTM D5185m-<1SodiumppmASTM D5185m-<1SodiumppmASTM D5185m-<1ManganeseppmASTM D5185m-<0ManganeseppmASTM D5185m-2ManganeseppmASTM D5185m-2PhosphorusppmASTM D5185m-2ManganeseppmASTM D5185m-2SuffurppmAST	Aluminum		ASTM D5185m	>25	0		
CopperppmASTM D5185m>500TinppmASTM D5185m>150VanadiumppmASTM D5185m0White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>20<1PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSilitscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMODERAppearancescalar*VisualNORMLNORMLAdopearancescalar*VisualNORMLNORMLSodiumppmASTM D5185m<0SodiumppmASTM D5185m<0.1NEGBoronppmASTM D5185m<0MalganeseppmASTM D5185m<0MagnesiumppmASTM D5185m<10MagnesiumppmASTM D5185m<2PhosphorusppmASTM D5185m22PhosphorusppmASTM D5185m2SolitppmASTM D5185m<2SolitppmASTM D5185	Lead			>25	0		
TinppmASTM D5185m>150VanadiumppmASTM D5185m0White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>251PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSilitscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMODERAppearancescalar*VisualNORMLNORMLAppearancescalar*VisualNORMLSodiumppmASTM D5185mBoronppmASTM D5185m0BariumppmASTM D5185m0MaganeseppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185mMagnesiumppmASTM D5185m </th <th>Copper</th> <th></th> <th>ASTM D5185m</th> <th>&gt;50</th> <th>0</th> <th></th> <th></th>	Copper		ASTM D5185m	>50	0		
VanadiumppmASTM D5185m0White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>251PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSilitscalar*VisualNONEMODESolitscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMODERAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185m<<1BoronppmASTM D5185m<<1MalybdenumppmASTM D5185m<0ManganeseppmASTM D5185m<2ManganesiumppmASTM D5185m<2PhosphorusppmASTM D5185m<10SuffurppmASTM D5185m<2ManganeseppmASTM D5185m<2PhosphorusppmASTM D5185m<17Suffur <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONESiliconppmASTM D5185m>251PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSiliscalar*VisualNONEMODESiliscalar*VisualNONEMODEDebrisscalar*VisualNONEMODESand/Dirtscalar*VisualNORENOREAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMLSodiumppmASTM D5185m>0BoronppmASTM D5185mI0ManganeseppmASTM D5185m-<11ManganeseppmASTM D5185mI10MangensiumppmASTM D5185m-2PhosphorusppmASTM D5185mI10SilicumppmASTM D5185mI10ManganeseppmASTM D5185mI10PhosphorusppmASTM D5185mI17SilicumppmASTM D5185m	Vanadium		ASTM D5185m		0		
SiliconppmASTM D5185m>251PotassiumppmASTM D5185m>20<1WaterWC Method>0.1NEGSiltscalar*VisualNONEMODERDebrisscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLSodiumppmASTM D5185m<<1BoronppmASTM D5185m<0ManganeseppmASTM D5185m<0ManganeseppmASTM D5185m<21PhosphorusppmASTM D5185m22PhosphorusppmASTM D5185m21SulfurppmASTM D5185m10AgnesiumppmASTM D5185m2ManganeseppmASTM D5185m2PhosphorusppmASTM D5185m10SulfurppmASTM D5185m17SulfurppmASTM D5185m246Acid Number (AN)mpKMASTM D5185m246SulfurppmASTM D5185m10.18			*Visual	NONE	NONE		
PotassiumppmASTM D5185m>20<1	Yellow Metal	scalar	*Visual	NONE	NONE		
PotassiumppmASTM D5185m>20<1							
WaterWC Method>0.1NEGSiltscalar*VisualNONENONEDebrisscalar*VisualNONEMODERSand/Dirtscalar*VisualNONEMODERAppearancescalar*VisualNORMNORMLOdorscalar*VisualNORMLNORMLCodorscalar*VisualNORMLNORMLSodiumppmASTM D5185mSodiumppmASTM D5185m0BariumppmASTM D5185m0MalganeseppmASTM D5185m-0MagnesiumppmASTM D5185m-110PhosphorusppmASTM D5185m2ZincppmASTM D5185m-12SulfurppmASTM D5185m117SulfurppmASTM D5185m117SulfurppmASTM D5185m-117SulfurppmASTM D5185m-10.18SulfurppmASTM D5185m-10.18SulfurppmASTM D5185m-10.18SulfurppmASTM D5185m-10.18SulfurppmASTM D5185m-10.18 </th <th>Silicon</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;25</th> <th>1</th> <th></th> <th></th>	Silicon	ppm	ASTM D5185m	>25	1		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONEMODERSand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185mBoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MagnesiumppmASTM D5185mPhosphorusppmASTM D5185m2ZincppmASTM D5185m85SulfurppmASTM D5185m117SulfurppmASTM D5185m117SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18Sulfur <th>Potassium</th> <th>ppm</th> <th>ASTM D5185m</th> <th>&gt;20</th> <th>&lt;1</th> <th></th> <th></th>	Potassium	ppm	ASTM D5185m	>20	<1		
Debrisscalar*VisualNONEMODERSand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185mBoronppmASTM D5185m0MolybdenumppmASTM D5185m0MaganeseppmASTM D5185mMagnesiumppmASTM D5185m10PhosphorusppmASTM D5185mZincppmASTM D5185m17SulfurppmASTM D5185m17Kaith Mumber (AN)mg KOHUASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18SulfurppmASTM D5185m10.18 <th>Water</th> <th></th> <th>WC Method</th> <th>&gt;0.1</th> <th></th> <th></th> <th></th>	Water		WC Method	>0.1			
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m<1BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0MaganeseppmASTM D5185m100MagnesiumppmASTM D5185m2PhosphorusppmASTM D5185m110ZincppmASTM D5185m17SulfurppmASTM D5185m10.18Acid Number (AN)mg KOH/gASTM D80450.18	Silt	scalar	*Visual	NONE	NONE		
Appearancescalar*VisualNORMLNORMLInorematicationOdorscalar*VisualNORMLNORMLInorematicationEmulsified Waterscalar*Visual>0.1NEGInorematicationSodiumppmASTM D5185mInorematicationInorematicationInorematicationBoronppmASTM D5185mInorematicationInorematicationInorematicationBariumppmASTM D5185mInorematicationInorematicationInorematicationMolybdenumppmASTM D5185mInorematicationInorematicationInorematicationMagnesiumppmASTM D5185mInorematicationInorematicationInorematicationPhosphorusppmASTM D5185mInorematicationInorematicationInorematicationPincASTM D5185mInorematicationInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurppmASTM D5185mInorematicationInorematicationInorematicationSulfurp				_	MODER		
Odorscalar*VisualNORMLNORMLEmulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185mBoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185mMagnesiumppmASTM D5185mPhosphorusppmASTM D5185m2PhosphorusppmASTM D5185m110ZincppmASTM D5185m177SulfurppmASTM D5185m10.18Acid Number (AN)mg KOH/gASTM D80450.18	Sand/Dirt	scalar	*\/icual				
Emulsified Waterscalar*Visual>0.1NEGSodiumppmASTM D5185m<1BoronppmASTM D5185m0BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m<110MagnesiumppmASTM D5185m100CalciumppmASTM D5185m2PhosphorusppmASTM D5185m17ZincppmASTM D5185m17SulfurppmASTM D5185m10.18			visuai				
Sodium  ppm  ASTM D5185m  <1		scalar	*Visual	NORML	NORML		
Boron  ppm  ASTM D5185m  0     Barium  ppm  ASTM D5185m  0     Molybdenum  ppm  ASTM D5185m  0     Manganese  ppm  ASTM D5185m  0     Magnesium  ppm  ASTM D5185m  <10     Magnesium  ppm  ASTM D5185m  <10     Calcium  ppm  ASTM D5185m  2     Phosphorus  ppm  ASTM D5185m  85     Zinc  ppm  ASTM D5185m  17     Sulfur  ppm  ASTM D5185m  0.18	Odor	scalar	*Visual *Visual	NORML NORML	NORML		
Boron  ppm  ASTM D5185m  0     Barium  ppm  ASTM D5185m  0     Molybdenum  ppm  ASTM D5185m  0     Molybdenum  ppm  ASTM D5185m  0     Manganese  ppm  ASTM D5185m      Magnesium  ppm  ASTM D5185m       Calcium  ppm  ASTM D5185m  10      Phosphorus  ppm  ASTM D5185m  2      Zinc  ppm  ASTM D5185m  855      Sulfur  ppm  ASTM D5185m  17      Sulfur  ppm  ASTM D5185m  0.18	Odor	scalar	*Visual *Visual	NORML NORML	NORML	  	  
Molybdenum  ppm  ASTM D5185m  O     Manganese  ppm  ASTM D5185m  <1     Magnesium  ppm  ASTM D5185m  <1     Magnesium  ppm  ASTM D5185m  10     Calcium  ppm  ASTM D5185m  2     Phosphorus  ppm  ASTM D5185m  85     Zinc  ppm  ASTM D5185m  17     Sulfur  ppm  ASTM D5185m  246     Acid Number (AN)  mg KOH/g  ASTM D8045  0.18	Odor Emulsified Water	scalar scalar	*Visual *Visual *Visual	NORML NORML	NORML NORML NEG		   
Manganese  ppm  ASTM D5185m  <1	Odor Emulsified Water Sodium	scalar scalar ppm	*Visual *Visual *Visual ASTM D5185m	NORML NORML	NORML NORML NEG <1		
Manganese  ppm  ASTM D5185m  <1	Odor Emulsified Water Sodium Boron	scalar scalar ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0	 	   
Calcium  ppm  ASTM D5185m  2     Phosphorus  ppm  ASTM D5185m  85      Zinc  ppm  ASTM D5185m  17      Sulfur  ppm  ASTM D5185m  246      Acid Number (AN)  mg KOH/g  ASTM D8045  0.18	Odor Emulsified Water Sodium Boron Barium	scalar scalar ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0	   	  
Phosphorus  ppm  ASTM D5185m  85     Zinc  ppm  ASTM D5185m  17     Sulfur  ppm  ASTM D5185m  246     Acid Number (AN)  mg KOH/g  ASTM D8045  0.18	Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0		
Zinc  ppm  ASTM D5185m  17     Sulfur  ppm  ASTM D5185m  246     Acid Number (AN)  mg KOH/g  ASTM D8045  0.18	Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0 <1		
Sulfur  ppm  ASTM D5185m  246     Acid Number (AN)  mg KOH/g  ASTM D8045  0.18	Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0 <1 10		
Acid Number (AN)  mg KOH/g  ASTM D8045  0.18	Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0 <1 10 2		
	Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0 <1 10 2 85		
Visc @ 40°C cSt ASTM D445 43.6	Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0 <1 10 2 85 17		
	Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NORML NORML	NORML NORML NEG <1 0 0 0 <1 10 2 85 17 246		

Contact/Location: DWIGHT LOGSDON - UCAIRSHE



Lab Number : 05864425 Tested SHELBYVILLE, KY : 07 Jun 2023 Unique Number : 10498890 Diagnosed : 07 Jun 2023 - Jonathan Hester US 40066 Test Package : IND 2 Contact: DWIGHT LOGSDON Certificate L2367 DWIGHT@AIRSERVICEANDPARTS.COM 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. T: (502)239-1541 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (502)239-7678

Contact/Location: DWIGHT LOGSDON - UCAIRSHE Page 2 of 2