

## **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

#### Area HOWARD SHEPPARD Machine Id 2612 HOWARD SHEPPARD Component

Rear Differential Fluid {not provided} (--- GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

#### Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Sample Number  Client Info  28 Dec 2023      Machine Age  mls  Client Info  160490      Oil Age  mls  Client Info  0      Oil Age  mls  Client Info  0      Oil Changed  Imit  Client Info  N/A      Sample Status  Imit  Method  Imit/base  current  Historyl     WEAR METALS  method  Imit/base  current  Historyl      Nickel  ppm  ASTM 05185m  >100        Nickel  ppm  ASTM 05185m  >10  0       Aluminum  ppm  ASTM 05185m  >22  0       Lead  ppm  ASTM 05185m  >100  0       Copper  ppm  ASTM 05185m  >10  0       Cadmium  p					Dec2023		
Sample Date    Client Info    28 Dec 2023        Machine Age    mls    Client Info    160490        Oil Age    mls    Client Info    NA        Sample Status    Client Info    NA        WEAR METALS    method    Imit/base    current    history1    history1      Iron    ppm    ASTM D5185m    >100        Nickel    ppm    ASTM D5185m    10    0        Silver    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    >25    0        Vanadium    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    100         Cadmium    ppm    ASTM D5185m    0         Anadium    p	SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Date    Image    Client Info    180490    Image    Image <thimage< th="">    Image    Image</thimage<>	Sample Number		Client Info		WC0876053		
Machine Age  mis  Client Info  160490      Oil Age  mis  Client Info  0      Sample Status  Client Info  N/A      WEAR METALS  method  imit/base  current  history!     WEAR METALS  method  imit/base  current  history!     Nickel  ppm  ASTM D5165m  >100      Silver  ppm  ASTM D5165m  >10      Aluminum  ppm  ASTM D5165m  >25  0      Silver  ppm  ASTM D5165m  >100       Auminum  ppm  ASTM D5165m  >100        Auminum  ppm  ASTM D5165m  >100        Auminum  ppm  ASTM D5165m  >10        Cadmium  ppm  ASTM D5165m			Client Info		28 Dec 2023		
Oil Age    mis    Client Info    0        Oil Changed    Client Info    NA        Sample Status    Client Info    NA        WEAR METALS    method    limit/base    current    history1    inistory1      Iron    ppm    ASTM 05185m    >100        Nickel    ppm    ASTM 05185m    >10    0       Aluminum    ppm    ASTM 05185m    >10    0        Aluminum    ppm    ASTM 05185m    >25    2        Aluminum    ppm    ASTM 05185m    >25    0        Adaminum    ppm    ASTM 05185m    >10    0        Vanadium    ppm    ASTM 05185m    10    0        ADDITIVES    method    limit/base    current    history1    history1      Barium    ppm	-	mls	Client Info		160490		
Sample Status    method    Imit/base    current    history1    history1      WEAR METALS    method    limit/base    current    history1    history1      Iron    ppm    ASTM D5185m    >500    108        Nickel    ppm    ASTM D5185m    >10    0        Silver    ppm    ASTM D5185m    0         Aluminum    ppm    ASTM D5185m    >25    2        Aluminum    ppm    ASTM D5185m    >25    0        Aluminum    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    0         Adminum    ppm    ASTM D5185m    0         Adminum    ppm    ASTM D5185m    74         Adminum    ppm    ASTM D5185m    75	Oil Age	mls	Client Info		0		
Sample Status    method    Imit/base    current    history1    history1      WEAR METALS    method    limit/base    current    history1    history1      Iron    ppm    ASTM D5185m    >500    108        Nickel    ppm    ASTM D5185m    >10    0        Silver    ppm    ASTM D5185m    0         Aluminum    ppm    ASTM D5185m    >25    2        Aluminum    ppm    ASTM D5185m    >25    0        Aluminum    ppm    ASTM D5185m    >10    0        Copper    ppm    ASTM D5185m    0         Adminum    ppm    ASTM D5185m    0         Adminum    ppm    ASTM D5185m    74         Adminum    ppm    ASTM D5185m    75	-		Client Info		N/A		
Iron    ppm    ASTM D5185m    >500    108        Nickel    ppm    ASTM D5185m    >10    0        Nickel    ppm    ASTM D5185m    >10    0        Silver    ppm    ASTM D5185m    22         Lead    ppm    ASTM D5185m    >25    0        Copper    ppm    ASTM D5185m    >100    <-1	-				ABNORMAL		
Ppm    ASTM D5185m    >10    <1	WEAR METALS		method	limit/base	current	history1	history2
Nickel    ppm    ASTM D5185m    >10    0        Titanium    ppm    ASTM D5185m    0        Sliver    ppm    ASTM D5185m    >25    2        Aluminum    ppm    ASTM D5185m    >25    0        Copper    ppm    ASTM D5185m    >25    0        Copper    ppm    ASTM D5185m    >100    <1	Iron	ppm	ASTM D5185m	>500	108		
Titanium  ppm  ASTM D5185m  0      Silver  ppm  ASTM D5185m  >25  2      Aluminum  ppm  ASTM D5185m  >25  0      Lead  ppm  ASTM D5185m  >100  <-1	Chromium	ppm	ASTM D5185m	>10	<1		
Silver    ppm    ASTM D5185m    0        Aluminum    ppm    ASTM D5185m    >25    2        Lead    ppm    ASTM D5185m    >25    0        Copper    ppm    ASTM D5185m    >100    <1	Nickel	ppm	ASTM D5185m	>10	0		
Aluminum    ppm    ASTM D5185m    >25    2        Lead    ppm    ASTM D5185m    >25    0        Copper    ppm    ASTM D5185m    >100    <1	Titanium	ppm	ASTM D5185m		0		
Lead    ppm    ASTM D5185m    >25    0        Copper    ppm    ASTM D5185m    >100    <1	Silver	ppm	ASTM D5185m		0		
Copper    ppm    ASTM D5185m    >100    <1        Tin    ppm    ASTM D5185m    >10    0        Vanadium    ppm    ASTM D5185m    0        ADDITIVES    method    limit/base    current    history1    history1      Boron    ppm    ASTM D5185m    74        Molybdenum    ppm    ASTM D5185m    0        Maganese    ppm    ASTM D5185m    0        Magnesium    ppm    ASTM D5185m    168        Calcium    ppm    ASTM D5185m    1588        Sulfur    ppm    ASTM D5185m    1588        Sulfur    ppm    ASTM D5185m    22867        Sulfur    ppm    ASTM D5185m    >20    0        Sodium    ppm	Aluminum	ppm	ASTM D5185m	>25	2		
Tin  ppm  ASTM D5185m  >10  0      Vanadium  ppm  ASTM D5185m  0      ADDITIVES  method  limit/base  current  history1  history1    Boron  ppm  ASTM D5185m  74      ADDITIVES  method  limit/base  current  history1  history1    Barium  ppm  ASTM D5185m  0      Magnaese  ppm  ASTM D5185m  0      Magnaese  ppm  ASTM D5185m  168      Magnaese  ppm  ASTM D5185m  1588      Calcium  ppm  ASTM D5185m  22867      Sulfur  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Sodium  ppm  ASTM D5185m  >20  0      S	Lead	ppm	ASTM D5185m	>25	0		
Vanadium    ppm    ASTM D5185m    0        Cadmium    ppm    ASTM D5185m    0        ADDITIVES    method    limit/base    current    history1    history      Boron    ppm    ASTM D5185m    74        Barium    ppm    ASTM D5185m    6        Maganese    ppm    ASTM D5185m    168        Magnesium    ppm    ASTM D5185m    1588        Calcium    ppm    ASTM D5185m    1588        Sulfur    ppm    ASTM D5185m    7        Sulfur    ppm    ASTM D5185m    7        Soliton    ppm    ASTM D5185m    22867        Soliton    ppm    ASTM D5185m    >75    10        Soliton    ppm    ASTM D5185m    >20	Copper	ppm	ASTM D5185m	>100	<1		
CadmiumppmASTM D5185m0ADDITIVESmethodlimit/basecurrenthistory1history1BoronppmASTM D5185m74BariumppmASTM D5185m0MolybdenumppmASTM D5185m0ManganeseppmASTM D5185m168CalciumppmASTM D5185m1588PhosphorusppmASTM D5185m1588ContaminppmASTM D5185m22867SulfurppmASTM D5185m5SulfurppmASTM D5185m510SodiumppmASTM D5185m22867SodiumppmASTM D5185m>200SodiumppmASTM D5185m>200PotassiumppmASTM D5185m>200FLUID CLEANLINESSmethodlimit/basecurrenthistory1history1Particles >4µmASTM D7647>2000\$84506Particles >4µmASTM D7647>66Particles >1µmASTM D7647>400Particles >71µmASTM D7647>100Particles >71µmASTM D7647>100 <td>Tin</td> <td>ppm</td> <td>ASTM D5185m</td> <td>&gt;10</td> <td>0</td> <td></td> <td></td>	Tin	ppm	ASTM D5185m	>10	0		
ADDITIVES    method    limit/base    current    history1    history      Boron    ppm    ASTM D5185m    74        Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    0        Magnese    ppm    ASTM D5185m    0        Magnesium    ppm    ASTM D5185m    168        Calcium    ppm    ASTM D5185m    5        Zinc    ppm    ASTM D5185m    77        Sulfur    ppm    ASTM D5185m    77        Sulfur    ppm    ASTM D5185m    22867        Sodium    ppm    ASTM D5185m    >75    10        Sodium    ppm    ASTM D5185m    >20    0        Potassium    ppm    ASTM D6304    <	Vanadium	ppm	ASTM D5185m		0		
Boron    ppm    ASTM D5185m    74        Barium    ppm    ASTM D5185m    0        Molybdenum    ppm    ASTM D5185m    0        Manganese    ppm    ASTM D5185m    7        Magnesium    ppm    ASTM D5185m    168        Calcium    ppm    ASTM D5185m    5        Calcium    ppm    ASTM D5185m    1588        Stifur    ppm    ASTM D5185m    7        Sulfur    ppm    ASTM D5185m    75    10        CONTAMINANTS    method    limit/base    current    history1    history      Silicon    ppm    ASTM D5185m    >75    10        Sodium    ppm    ASTM D5185m    >20    0        Potassium    ppm    ASTM D5185m	Cadmium	ppm	ASTM D5185m		0		
Barium  ppm  ASTM D5185m  <1      Molybdenum  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m  168      Magnesium  ppm  ASTM D5185m  168      Calcium  ppm  ASTM D5185m  1588      Calcium  ppm  ASTM D5185m  1588      Calcium  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  75  10      Sodium  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Sodium  ppm  ASTM D5185m  >20  0      Sodium  ppm  ASTM D5185m  >20  0      Potassium  ppm  A	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum  ppm  ASTM D5185m  0      Manganese  ppm  ASTM D5185m  168      Magnesium  ppm  ASTM D5185m  168      Calcium  ppm  ASTM D5185m  1588      Calcium  ppm  ASTM D5185m  1588      Calcium  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  22867      Sodium  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Sodium  ppm  ASTM D5185m  >20  0      Vater  %  ASTM D5185m  >20  0      FLUID CLEANLINESS  method  limit/base  current  history1  history1    Particles >4µm  ASTM D76	Boron	ppm	ASTM D5185m		74		
Marganese  ppm  ASTM D5185m  7      Magnesium  ppm  ASTM D5185m  168      Calcium  ppm  ASTM D5185m  5      Calcium  ppm  ASTM D5185m  1588      Phosphorus  ppm  ASTM D5185m  7      Zinc  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  75  10      CONTAMINANTS  method  limit/base  current  history1  history1    Silicon  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Vater  %  ASTM D6304  >.2  0.014      ppm Water  ppm  ASTM D7647  >20000  & 84506      Particles >4µm  ASTM D7647  >5000  65      Particles >	Barium	ppm	ASTM D5185m		<1		
Magnesium  ppm  ASTM D5185m  168      Calcium  ppm  ASTM D5185m  5      Phosphorus  ppm  ASTM D5185m  1588      Zinc  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  22867      CONTAMINANTS  method  limit/base  current  history1  history    Silicon  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Sodium  ppm  ASTM D5304  >2  0.014      Water  %  ASTM D6304  >2  0.014      FLUID CLEANLINESS  method  limit/base  current  history1  history1    Particles >4µm  ASTM D7647  >2000  & 84506 <td>Molybdenum</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>0</td> <td></td> <td></td>	Molybdenum	ppm	ASTM D5185m		0		
Calcium  ppm  ASTM D5185m  5      Phosphorus  ppm  ASTM D5185m  1588      Zinc  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  22867      CONTAMINANTS  method  limit/base  current  history1  history1    Silicon  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Sodium  ppm  ASTM D5185m  >20  0      Water  %  ASTM D6304  >.2  0.014      ppm Water  ppm  ASTM D7647  >2000  & 84506      Particles >4µm  ASTM D7647  >2000  & 84506       Particles >50µm  ASTM D7647  >640  65   -	Manganese	ppm	ASTM D5185m		7		
Phosphorus    ppm    ASTM D5185m    1588        Zinc    ppm    ASTM D5185m    7        Sulfur    ppm    ASTM D5185m    22867        CONTAMINANTS    method    limit/base    current    history1    history      Silicon    ppm    ASTM D5185m    >75    10        Sodium    ppm    ASTM D5185m    >75    10        Sodium    ppm    ASTM D5185m    >20    0        Potassium    ppm    ASTM D5185m    >20    0        Water    %    ASTM D6304    >.2    0.0114        ppm Water    ppm    ASTM D7647    >20000    4    84506        Particles >4µm    ASTM D7647    >5000    6273        Particles >1µm    ASTM D7647    640    65	Magnesium	ppm	ASTM D5185m		168		
Zinc  ppm  ASTM D5185m  7      Sulfur  ppm  ASTM D5185m  22867      CONTAMINANTS  method  limit/base  current  history1  history    Silicon  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  >20  0      Potassium  ppm  ASTM D6304  >.2  0.014      Water  %  ASTM D6304  >.2  0.014      ppm Water  ppm  ASTM D6304  >.2  0.014      ppm Vater  ppm  ASTM D7647  >2000 <b>484506</b> FLUID CLEANLINESS  method  limit/base  current  history1  history1    Particles >4µm  ASTM D7647  >5000 <b>6273</b> Particles >21µm  ASTM D7647  640  65	Calcium	ppm	ASTM D5185m		5		
SulfurppmASTM D5185m22867CONTAMINANTSmethodlimit/basecurrenthistory1historySiliconppmASTM D5185m>7510SodiumppmASTM D5185m>200PotassiumppmASTM D5185m>200Water%ASTM D5185m>200ppmASTM D5185m>200Water%ASTM D6304>.20.014ppm WaterppmASTM D6304>2000148FLUID CLEANLINESSmethodlimit/basecurrenthistory1historyParticles >4µmASTM D7647>20000\$45066Particles >6µmASTM D7647>5000\$6273Particles >14µmASTM D7647>64065Particles >21µmASTM D7647>16017Particles >38µmASTM D7647>100Oil CleanlinessISO 4406 (c)>21/19/1624/20/13FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1	Phosphorus	ppm	ASTM D5185m		1588		
CONTAMINANTSmethodlimit/basecurrenthistory1historySiliconppmASTM D5185m>7510SodiumppmASTM D5185m6PotassiumppmASTM D5185m>200Water%ASTM D5185m>200Water%ASTM D6304>.20.014ppm WaterppmASTM D6304>2000148FLUID CLEANLINESSmethodlimit/basecurrenthistory1historyParticles >4µmASTM D7647>20000484506Particles >6µmASTM D7647>50006273Particles >14µmASTM D7647>64065Particles >21µmASTM D7647>16017Particles >38µmASTM D7647>100Oil CleanlinessISO 4406 (c)>21/19/1624/20/13FLUID DEGRADATIONmethodlimit/basecurrenthistory1history1	Zinc	ppm	ASTM D5185m		7		
Silicon  ppm  ASTM D5185m  >75  10      Sodium  ppm  ASTM D5185m  6       Potassium  ppm  ASTM D5185m  >20  0      Water  %  ASTM D6304  >.2  0.014      Water  ppm  ASTM D6304  >.2  0.014      ppm Water  ppm  ASTM D6304  >.2  0.014      FLUID CLEANLINESS  method  limit/base  current  history1  history1    Particles >4µm  ASTM D7647  >20000  ▲ 84506      Particles >6µm  ASTM D7647  >5000  ▲ 6273      Particles >14µm  ASTM D7647  >640  65      Particles >21µm  ASTM D7647  >160  17      Particles >38µm  ASTM D7647  >40  0      Oil Cleanliness  ISO 4406 (c)  >21/19/16  24/20/13 <td>Sulfur</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>22867</td> <td></td> <td></td>	Sulfur	ppm	ASTM D5185m		22867		
Sodium    ppm    ASTM D5185m    6        Potassium    ppm    ASTM D5185m    >20    0        Water    %    ASTM D6304    >.2    0.014        opm Water    ppm    ASTM D6304    >.2000    148        FLUID CLEANLINESS    method    limit/base    current    history1    history      Particles >4µm    ASTM D7647    >20000    ▲ 84506        Particles >6µm    ASTM D7647    >5000    ▲ 6273        Particles >14µm    ASTM D7647    >640    65        Particles >14µm    ASTM D7647    >160    17        Particles >38µm    ASTM D7647    >10    0        Oil Cleanliness    ISO 4406 (c)    >21/19/16    24/20/13        FLUID DEGRADATION    method    limit/base    current    history1	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium    ppm    ASTM D5185m    >20    0        Water    %    ASTM D6304    >.2    0.014        opm Water    ppm    ASTM D6304    >.2000    148        FLUID CLEANLINESS    method    limit/base    current    history1    history      Particles >4µm    ASTM D7647    >20000    ▲ 84506        Particles >6µm    ASTM D7647    >5000    ▲ 6273        Particles >14µm    ASTM D7647    >640    65        Particles >21µm    ASTM D7647    >160    17        Particles >38µm    ASTM D7647    >10    0        Particles >71µm    ASTM D7647    >10    0        Oil Cleanliness    ISO 4406 (c)    >21/19/16    24/20/13        FLUID DEGRADATION    method    limit/base    current    history1	Silicon	ppm	ASTM D5185m	>75	10		
Water  %  ASTM D6304  >.2  0.014      ppm Water  ppm  ASTM D6304  >2000  148      FLUID CLEANLINESS  method  limit/base  current  history1  history    Particles >4µm  ASTM D7647  >20000  ▲  84506      Particles >6µm  ASTM D7647  >5000  ▲  6273      Particles >14µm  ASTM D7647  >640  65       Particles >14µm  ASTM D7647  >160  17       Particles >21µm  ASTM D7647  >10  0       Particles >38µm  ASTM D7647  >10  0       Oil Cleanliness  ISO 4406 (c)  >21/19/16  24/20/13       FLUID DEGRADATION  method  limit/base  current  history1  history1	Sodium	ppm	ASTM D5185m		6		
ppm    ASTM D6304    >2000    148        FLUID CLEANLINESS    method    limit/base    current    history1    history      Particles >4µm    ASTM D7647    >20000    & 84506        Particles >6µm    ASTM D7647    >5000    6273        Particles >14µm    ASTM D7647    >640    65        Particles >14µm    ASTM D7647    >160    17        Particles >21µm    ASTM D7647    >40    0        Particles >38µm    ASTM D7647    >10    0        Particles >71µm    ASTM D7647    >10    0        Oil Cleanliness    ISO 4406 (c)    >21/19/16    24/20/13        FLUID DEGRADATION    method    limit/base    current    history1    history		ppm	ASTM D5185m	>20	0		
FLUID CLEANLINESS  method  limit/base  current  history1  history    Particles >4µm  ASTM D7647  >20000  ▲ 84506       Particles >6µm  ASTM D7647  >5000  ▲ 6273       Particles >6µm  ASTM D7647  >640  65       Particles >14µm  ASTM D7647  >160  17       Particles >21µm  ASTM D7647  >160  17       Particles >38µm  ASTM D7647  >40  0       Particles >71µm  ASTM D7647  >10  0       Oil Cleanliness  ISO 4406 (c)  >21/19/16  24/20/13       FLUID DEGRADATION  method  limit/base  current  history1  history1	Water	%	ASTM D6304	>.2	0.014		
Particles >4μm  ASTM D7647  >20000  ▲ 84506      Particles >6μm  ASTM D7647  >5000  ▲ 6273      Particles >14μm  ASTM D7647  >640  65      Particles >14μm  ASTM D7647  >160  17      Particles >21μm  ASTM D7647  >160  17      Particles >21μm  ASTM D7647  >40  0      Particles >38μm  ASTM D7647  >40  0      Particles >71μm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >21/19/16  24/20/13      FLUID DEGRADATION  method  limit/base  current  history1  history1	ppm Water	ppm	ASTM D6304	>2000	148		
Particles >6µm  ASTM D7647  >5000  ▲ 6273      Particles >14µm  ASTM D7647  >640  65      Particles >14µm  ASTM D7647  >160  17      Particles >21µm  ASTM D7647  >160  17      Particles >38µm  ASTM D7647  >40  0      Particles >38µm  ASTM D7647  >10  0      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >21/19/16  24/20/13      FLUID DEGRADATION  method  limit/base  current  history1  history1	FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >14µm  ASTM D7647  >640  65      Particles >21µm  ASTM D7647  >160  17      Particles >28µm  ASTM D7647  >40  0      Particles >38µm  ASTM D7647  >40  0      Particles >71µm  ASTM D7647  >10  0      Oil Cleanliness  ISO 4406 (c)  >21/19/16 ▲ 24/20/13      FLUID DEGRADATION  method  limit/base  current  history1  history							
Particles >21μm    ASTM D7647    >160    17        Particles >38μm    ASTM D7647    >40    0         Particles >38μm    ASTM D7647    >40    0         Particles >71μm    ASTM D7647    >10    0         Oil Cleanliness    ISO 4406 (c)    >21/19/16    24/20/13        FLUID DEGRADATION    method    limit/base    current    history1    history1	•		ASTM D7647	>5000	<b>6273</b>		
Particles >38μm    ASTM D7647    >40    0        Particles >71μm    ASTM D7647    >10    0        Oil Cleanliness    ISO 4406 (c)    >21/19/16    24/20/13        FLUID DEGRADATION    method    limit/base    current    history1    history							
Particles >71μm    ASTM D7647    >10    0        Oil Cleanliness    ISO 4406 (c)    >21/19/16    ▲ 24/20/13        FLUID DEGRADATION    method    limit/base    current    history1    history1	•			>160	17		
Oil Cleanliness  ISO 4406 (c)  >21/19/16 ▲ 24/20/13      FLUID DEGRADATION  method  limit/base  current  history1  history1							
FLUID DEGRADATION method limit/base current history1 history				>10	0		
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	<b>A</b> 24/20/13		
Acid Number (AN)    mg KOH/g    ASTM D8045    0.68	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.68		



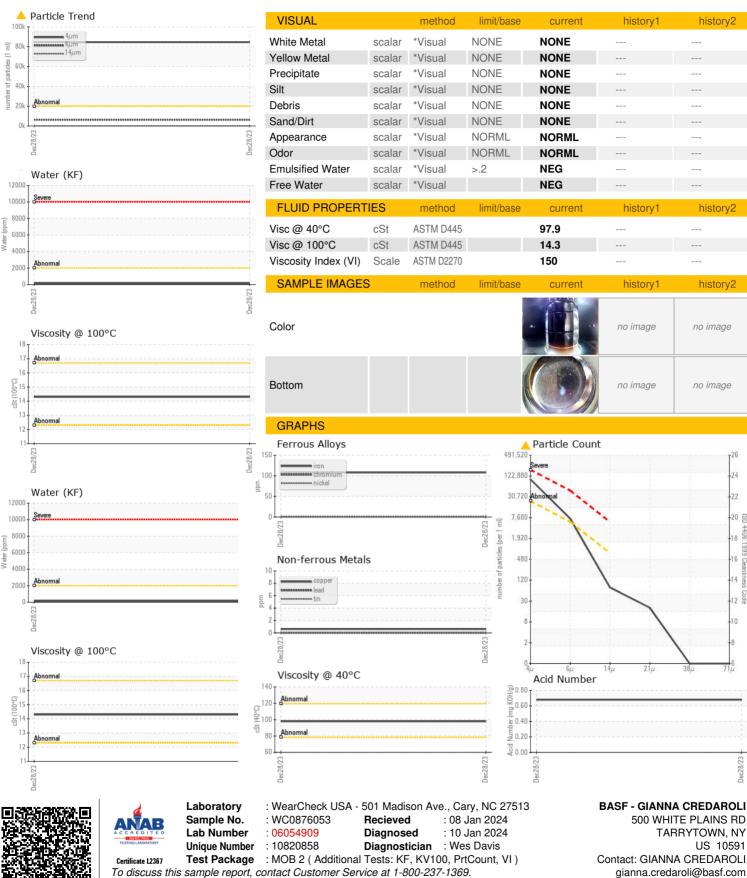
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Water

Water (

# **OIL ANALYSIS REPORT**



\* - 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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